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1986

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FOREWORD

I take pleasure in presenting this edition of **Canadian Sources of Environmental Information (1986).**

The information contained in the volume updates the previous edition. The title has been changed from **Directory of Canadian Environmental Experts** to better reflect the intention and contents of the publication.

It contains the names, organizations and research interests of sources who responded to a questionnaire distributed in May 1986 and updates information contained in the 1984 directory. The survey was conducted for two distinct purposes.

The first objective was an updated national inventory of specialists active in various fields of the environmental sciences and related disciplines.

The second aim was to provide the Canadian contribution to INFOTERRA, the international referral network of UNEP, the United Nations Environment Programme. INFOTERRA was established in 1973 following the recommendations of the Stockholm Conference; it became fully operational in 1977.

AVANT-PROPOS

C'est avec plaisir que je présente cette nouvelle édition des **Sources canadiennes d'information sur l'environnement (1986).**

Il s'agit en fait d'une mise à jour de la dernière édition du **Répertoire des spécialistes canadiens de l'environnement,** dont le nouveau titre reflète mieux la raison d'être et le contenu de la publication.

Il contient les noms des spécialistes et des organismes qui ont répondu à un questionnaire envoyé en mai 1986. Il indique aussi dans quels domaines ils poursuivent leurs recherches. Il s'agit d'une mise à jour du répertoire de 1984. Le sondage avait deux objectifs distincts.

Le premier était de mettre à jour le répertoire national des spécialistes oeuvrant dans différents secteurs des sciences de l'environnement et dans des disciplines connexes.

Le deuxième était d'assurer l'apport canadien à INFOTERRA, le réseau international de référence du PNUE (Programme des Nations Unies pour l'environnement). Le réseau d'INFOTERRA a été créé en 1973 comme suite à des recommandations faites lors de la Conférence de Stockholm. Il est devenu pleinement opérationnel en 1977.

At present the INFOTERRA network comprises a partnership of over 100 countries with designated organizations to promote the exchange of environmental information. In 1979 Environment Canada was designated as the Canadian national focal point. Our prime task is to identify and register specialists of environmental information and expertise in Canada who are willing to respond to information requests coming from abroad.

It is our hope that **Canadian Sources of Environmental Information** will be a useful reference book for the Canadian environmental community.

Aujourd'hui, le réseau compte 100 pays participants, qui ont chacun un organisme chargé de promouvoir l'échange de renseignements sur l'environnement. En 1979, le ministère de l'Environnement est devenu le centre canadien de liaison. Notre principale tâche consiste à recenser et à inscrire les spécialistes canadiens de l'environnement qui acceptent de répondre à des demandes de renseignements en provenance de l'étranger.

Je forme le souhait que la publication **Sources canadiennes d'information sur l'environnement** deviendra un ouvrage de consultation utile à tous ceux qui s'intéressent à l'environnement au Canada.

G.A. Sainte-Marie
Deputy Minister of Environment Canada
Sous-ministre d'Environnement Canada

INTRODUCTION

The 1986 edition of **Canadian Sources of Environmental Information** brings together resources in government, industry, universities and the public sector. Environment Canada's Departmental Library Services Branch is responsible for the gathering of the information; the next edition will be published in 1988.

The handbook is divided into two parts:

1) an alphabetic listing of specialists; and

2) a computer-generated index to the subject expertise of those listed. This was constructed in a keyword-in-context (KWIC) format. Index terms are generated by the computer from the description of the expertise of each source. To avoid an oversized volume only major words of the description are listed in the index and hyphens have been used to create meaningful phrases e.g. WASTE-WATER-TREATMENT. Index terms are not consistent. For example, one may find experts working on AIR-MONITORING by looking up the phrase, others may be listed under MONITORING.

INTRODUCTION

L'édition de 1986 des **Sources canadiennes d'information sur l'environnement** contient une liste des sources d'information se trouvant dans les milieux gouvernementaux, les industries, les universités et le secteur public. Ce répertoire, dont la prochaine édition paraîtra en 1988, est publié par la Direction des services de bibliothèque d'Environnement Canada.

Il comprend deux parties:

1) une liste alphabétique des spécialistes; et

2) un index informatisé de leurs spécialités. Afin que le volume ne soit pas trop massif, seuls les principaux mots-clés de la description sont inscrits et des traits d'union sont utilisés pour créer des expressions, par exemple PLUIES-ACIDES. Les termes de l'index ne sont pas uniformes. Ainsi, on peut trouver les spécialistes des eaux usées sous la rubrique EAUX-USÉES, d'autres sous la rubrique TRAITEMENT-DES-EAUX.

In as much as we do not presume that this handbook is comprehensive, we would like to cite, for further reference, some other publications which may identify additional regional sources of environmental information:

Environmental Sourcebook.
Knowledge Source Index.
Persons involved in Environmental Research.
Environmental Contacts Manual (Ontario) (Guide de l'environnement Ontario).
Répertoire environnemental: Répertoire des groupes et organismes québecois.
Prairie and Northwest Territories Environmental Sourcebook.
Environmental Non-Governmental Organizations: A Listing of Environmental Groups in Ontario.

We wish to express our appreciation to the respondents of our questionnaire for their participation. Suggestions for new sources would be appreciated; names should be sent to Agatha Bystram at the address below:

Agatha Bystram
National Focal Point, INFOTERRA
(Director, Library Services Branch)
Environment Canada
Ottawa, Ontario
K1A 0H3

Comme ce répertoire ne se prétend pas exhaustif, on trouvera ci-dessous le titre de quelques autres publications susceptibles de contenir des sources d'information régionales en matière d'environnement:

Environmental Sourcebook.
Knowledge Source Index.
Persons involved in Environmental Research.
Environmental Contacts Manual (Ontario) (Guide de l'environnement Ontario).
Répertoire environnemental: Répertoire des groupes et organismes québecois.
Prairie and Northwest Territories Environmental Sourcebook.
Environmental Non-Governmental Organizations: A Listing of Environmental Groups in Ontario.

Nous tenons à remercier de leur participation les personnes qui ont bien voulu répondre à notre questionnaire. Les suggestions de nouvelles sources sont les bienvenues; veuillez les faire parvenir à Agatha Bystram, à l'adresse suivante:

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ATMOSPHERIC CYCLE OF TRACE CONSTITUENTS. STUDY OF ACID-RAIN PHENOMENA ON A REGIONAL SCALE & ARCTIC AIR POLLUTION ON AN HEMISPHERIC SCALE. COMPUTER MODEL OF ARCTIC AIR-POLLUTION USED TO INVESTIGATE COMPLEX INTERACTIONS OF TRANSPORT, TRANSFORMATION & REMOVAL. ROUTINE AEROSOL SCIENCE MEASUREMENTS ARE MADE IN THE CANADIAN ARCTIC. RELATIONSHIP BETWEEN AIR & PRECIPITATION TRACE ELEMENTAL COMPOSITION & POLLUTANT ORIGIN UNDER INVESTIGATION.

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ENVIRONMENTAL-MONITORING AND RESEARCH ON THE BEHAVIOUR OF RADIONUCLIDES IN THE ENVIRONMENT. ALSO INTERESTED IN THE USES OF RADIOTRACERS AND NUCLEAR METHODS IN STUDIES OF ENVIRONMENTAL PROCESSES.

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AGRICULTURE CANADA
LAND RESOURCE RESEARCH CENTRE
K W NEATBY BLDG
OTTAWA ONT
K1A OC6
(613)995-5011
053-3283

SOIL-DEGRADATION, DRAINAGE, EROSION, COMPACTION AND THEIR EFFECTS ON THE AGRICULTURAL ENVIRONMENT; EFFECT OF ACID-RAIN ON AGRICULTURAL SOILS AND MANAGEMENT SYSTEMS.

CORBETT MJ
ALBERTA DEPT OF THE ENVIRONMENT
LIBRARY SERVICES BRANCH
14TH FLOOR 9820 106 STREET
EDMONTON ALTA
T5K 2J6
(403)427-6132

LIBRARY SERVICES BRANCH HOUSES A COLLECTION OF DOCUMENTARY AND PERIODICAL LITERATURE DEALING WITH ALL ASPECTS OF THE ENVIRONMENTAL SCIENCES AND WATER-RESOURCES ADMINISTRATION. THE EMPHASIS OF THE COLLECTION IS ON ALBERTA, BUT IS NOT RESTRICTED TO THE PROVINCE. ACCESS TO THE COLLECTION IS AVAILABLE ONLINE VIA THE UNIVERSITY OF ALBERTA SPIRES COMPUTER SYSTEM.

CORMACK AC
ENVIRONMENT AND SAFETY DIVISION
PETRO CANADA
240 DUNCAN MILL RD
DON MILLS ONT
M3B 3B2

SAFETY AND ENVIRONMENTAL MATTERS IN THE PETROLEUM INDUSTRY.

CORNETT RJJ
ATOMIC ENERGY OF CANADA LTD
ENVIRONMENTAL RESEARCH
CHALK RIVER ONT
KOJ 1JO
(613)584-3311
053-34555 MOTA

TRANSPORT OF TRACE-ELEMENTS THROUGH AQUATIC SYSTEMS. BIOACCUMULATION OF RADIONUCLIDES MODELLING OXYGEN CONCENTRATIONS IN LAKES. ROLE OF GROUNDWATER INPUTS IN DETERMINING STREAM WATER CHEMISTRY.

COTE LM
AGRICULTURE CANADA
ANIMAL RESEARCH CENTRE
CARLING AVE NEATBY BLDG
OTTAWA ONT
K1A OC6
(613)995-6002

RESEARCH ON METABOLISM AND MODE OF ACTION OF MYCOTOXINS ESPECIALLY DEOXYNIVALENOL. SIMILAR WORK WITH PYRETHOIDS.

COTE PA
VILLE DE QUEBEC INGENIERIE
DIVISION DES LABORATOIRES
1252 DE LA CANARDIERE
QUEBEC QUE
G1J 2C4
(418)691-2343

CONTROLE DE QUALITE DE L' EAU-POTABLE.

COTE R
UNIV DU QUEBEC A CHICOUTIMI
555 BOUL DE L'UNIVERSITE
CHICOUTIMI QUE
G7H 2B1
(418)545-5554
051-36108

ETUDES DE LA TOXICITE DES REJETS-INDUSTRIELS SUR L' ECOPHYSIOLOGIE DES POPULATIONS PLANCTONIQUES (PHYTOPLANCTON ET ZOOPLANCTON).

COUILLARD D
INRS-EAU
UNIVERSITE DU QUEBEC
C P 7500
SAINTE-FOY QUE
G1V 4C7
(418)654-2524

ASSAINISSEMENT-EAU; EPURATION-EAU; TRAITEMENT-EAUX-USEES; EAUX-USEES; EFFLUENT; RUISSELLEMENT URBAIN; RUISSELLEMENT MUNICIPALITE; BIOINDICATEUR EAU; TOXICITE EAUX-USEES.

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C P 7500
SAINTE-FOY QUE
G1V 4C7
(418)654-2524

UTILISATION D'INDICATEURS BIOLOGIQUES, EN PARTICULIER LE PHYTOPLANCTON (ALGUES UNICELLULAIRES) POUR DETERMINER LA QUALITE DE L' EAU: ASPECT EUTROPHISATION, ASPECTS ECOLOGIQUE ET TOXICOLOGIQUE, RELATIONS STRUCTURE FONCTION, BIOESSAIS IN VITRO, BIOESSAIS IN SITU, COMMUNAUTE MICROBIENNE, PRODUCTION PRIMAIRE, CHARGE ENERGETIQUE ACCLIMATION.

COX RM
CANADIAN FORESTRY SERVICE
MARITIMES
PO BOX 4000
FREDERICTON NB
E3B 5P7
(506)452-3532
01446165

EFFECTS OF AIR-POLLUTION ON FOREST PLANT REPRODUCTION & PRODUCTIVITY INCLUDING EFFECTS OF ACID-RAIN OR ACID-FOG & TRACE-ELEMENTS. EVALUATION TRACE-ELEMENT TOLERANCE IN NATIVE PLANTS.

CRABBE RS
NATIONAL RESEARCH COUNCIL CANADA
NATIONAL AERONAUTICAL ESTABLISHMENT
MONTREAL RD
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K1A OR6
(613)993-2521

EFFECT OF ATMOSPHERIC THERMAL STABILITY ON DEPOSITION & WINDBORNE DRIFT OF AERIAL FOREST PESTICIDE SPRAYS.

CRAIGIE JS
NATIONAL RESEARCH COUNCIL CANADA
ATLANTIC RESEAERCH LABORATORY
1411 OXFORD STREET
HALIFAX NS
B3H 3Z1
(902)426-8287

PHYSIOLOGY, BIOCHEMISTRY & AQUACULTURE OF ALGAE WITH SPECIAL INTEREST IN CELL WALLS & PHYCOCOLLODS OF MARINE SPECIES.

CRAIN IK
ENVIRONMENT CANADA
CANADA LAND DATA SYSTEM
OTTAWA ONT
K1A OH3
(819)997-2510

GEOGRAPHIC INFORMATION-SYSTEMS AS APPLIED TO RESOURCE-PLANNING AND MODELLING.

CREPIN J
NORWEST LABS
9938-67 AVE
EDMONTON ALTA
T6E OP5
(403)438-5522

PHYTOTOXIC EFFECTS OF HAZARDOUS-WASTES GENERATED BY THE OIL & NATURAL-GAS INDUSTRIES. CHEMICAL CHARACTERIZATION OF THESE WASTES. RECLAMATION OF WASTE TREATED SITES.

CRIPPEN RW
CONSULTANT
RR NO 1
ORANGEVILLE ONT
L9W 2Y8
(519)941-3091

MARINE & ESTUARINE BENTHOS, ESPECIALLY POLYCHAETES, THEIR SYSTEMATICS & TAXONOMY, COMMUNITY STRUCTURE & INTERACTION WITH ENVIRONMENTAL CONDITIONS, BOTH NATURAL & MAN INFLUENCED.

CROSS PM
ALBERTA ENVIRONMENT
POLLUTION CONTROL DIVISION
2938-11 STREET NE
CALGARY ALTA
T2E 7L7
(403)297-5919

LIMNOLOGIST RESPONSIBLE FOR ROUTINE WATER-QUALITY MONITORING & SPECIAL STUDIES WITHIN THE RED-DEER, OLDMAN & MILK-RIVER BASINS. MAINTAIN & APPLY WATER-QUALITY SIMULATION MODEL (WQRRS) TO RIVERS IN THE SOUTH-SASKATCHEWAN RIVER BASIN.

CROWDER A
QUEENS UNIVERSITY
DEPT OF BIOLOGY
KINGSTON ONT
K7L 3N6
(613)565-6139

UPTAKE OF METALS BY WETLAND PLANTS. IRON PLAQUES ON ROOTS. INVENTORY OF VEGETATION IN EUTROPHIC & OTHER WETLANDS. IMPACT-ASSESSMENT PARTICULARLY OF PARK USAGE, HERBARIUM CURATOR.

CULLEY JLB
LAND RESOURCE RESEARCH INST
CENTRAL EXPERIMENTAL FARM
AGRICULTURE CANADA
OTTAWA ONT
K1A OC6

FARM WASTE-MANAGEMENT INCLUDING STORAGE & DISPOSAL. SOIL QUALITY & PRODUCTIVITY AS AFFECTED BY CROPPING PRACTICES.

CUNNINGHAM JC
CANADIAN FORESTRY SERVICE
FOREST PEST MANAGEMENT INSTITUTE
PO BOX 490
SAULT STE MARIE ONT
P6A 5M7
(705)949-9461
067-77180

PRACTICAL USE OF VIRUSES FOR CONTROL OF FOREST-INSECT PESTS; FORMULATION & APPLICATION OF VIRAL INSECTICIDES; PRODUCTION OF VIRUSES USING HOST INSECT LARVAE. REGISTRATION OF VIRAL INSECTICIDES & COMMERCIALIZATION OF BIOCONTROL PRODUCTS.

CURRIE RA
SUPV FOOD CHEMISTRY
FOOD LAB ALBERTA AGRICULTURE
6909-116 STREET
EDMONTON ALTA
T6H 4P2

MONITORING OF FOODS FOR PESTICIDE RESIDUES INCLUDING ORGANOCHLORINE AND ORGANOPHOSPHORUS INSECTICIDES AND VARIOUS HERBICIDES.

CURTIS FA
REGIONAL SYSTEMS ENGINEERING
UNIVERSITY OF REGINA
REGINA SASK
S4S OA2

ENVIRONMENTAL-IMPACT-ASSESSMENT; ENVIRONMENTAL PLANNING AND MANAGEMENT; ENVIRONMENTAL EDUCATION; PROJECT PLANNING AND DEVELOPMENT; ENVIRONMENTAL-ENGINEERING; ENVIRONMENTAL MEDIATION; DISTANCE EDUCATION.

CZUBA M
NATIONAL RESEARCH COUNCIL
ECOTOXICOLOGY BIOLOGICAL SCIENCES
100 SUSSEX DR (TP)
OTTAWA ONT
K1A OR6
(613)993-6913

ENVIRONMENTAL INTERACTIONS OF HEAVY-METALS & TRACE-ELEMENTS AS THEY AFFECT PHYSIOLOGY, BIOCHEMISTRY & CELL ASSOCIATIONS OF PLANTS. STUDIES OF TOXIC EFFECTS TO DETERMINE MECHANISMS OF ACTION, ASSESS PRODUCTS PRODUCED & POSSIBLE ABATEMENT MEASURES. EVALUATE MODERATING EFFECTS OF MICROORGANISMS ON METAL ACTION IN HOST ORGANISM.

D'AOUST AL
AGRICULTURE CANADA
CTR DE FORESTERIE DES LAURENTIDES
1055 RUE DU PEPS
STE-FOY QUE
G1V 4C7
(418)648-5828
051-31560

PRODUCTION, GROWTH AND PHYSIOLOGY OF CONTAINERIZED FOREST TREE SEEDLINGS FOR REFORESTATION. ENVIRONMENTAL CONDITIONS TO FAVOUR ACCELERATED GROWTH AND HARDENING OF MATERIAL. THE STUDY OF GROWTH AND GAS EXCHANGE ANALYSIS, ALSO THE WATER RELATION OF ACCLIMATIZED SEEDLINGS.

D'AURIA JM
SIMON FRASER UNIVERSITY
DEPT CHEMISTRY
BURNABY BC
V5A 1S6
(604)291-4607

DEVELOPMENT OF USE OF BIOLOGICAL ORGANISMS AS SENTINEL INDICATORS OF HEAVY ELEMENT POLLUTANTS IN THE ENVIRONMENT. USE OF XRF TO MEASURE TRACE-ELEMENTS IN BIOLOGICAL AND ENVIRONMENTAL SAMPLES.

DABEKA WR
HEALTH PROTECTION HLTH & WELFARE
FOOD RESEARCH DIVISION
BANTING RESEARCH CENTRE
OTTAWA ONT
K1A OL2
(613)933-5578
053-3679

ANALYSIS FOR TRACE-ELEMENTS, TOXIC ELEMENTS; LEAD CADMIUM, ARSENIC, TIN, FLUORIDE, MERCURY; FOOD DIETARY INTAKES; ANALYTICAL WATER. INSTRUMENTAL EXPERTISE: GRAPHITE FURNACE ATOMIC, ABSORPTION SPECTROMETRY.

DAINTY ED
DEPT OF ENERGY MINES & RESOURCES
CANMET-MINING RESEARCH LABS
555 BOOTH STREET
OTTAWA ONT
K1A OG1
(613)996-4570
053-3586(MRLBELCOR)

DEVELOPMENT OF DIESEL EMISSION REDUCTION DEVICES FOR USE ON UNDERGROUND MINING VEHICLES (SUCH AS FILTERS AND SCRUBBERS), PROMOTION OF RATIONAL DIESEL EMISSIONS TOXICITY CRITERION FOR UNDERGROUND VENTILATION PRESCRIPTION, AND PROMOTION OF THIS CRITERION (AIR-QUALITY INDEX; AQI) FOR RATIONAL SELECTION OF ENGINES AND REDUCTION DEVICES FOR USE UNDERGROUND AND IN OTHER CONFINED ENVIRONMENTS WHERE DIESEL ENGINES ARE EMPLOYED. AMBIENT MONITORING OF DIESEL POLLUTANTS.

DART FJ
MINISTRY OF ENVIRONMENT
WATER RESOURCES BRANCH
1 ST CLAIR AVE W
TORONTO ONT
M4V 1K6
(416)965-6995

POTABLE-WATER: CONTROL OF EXCESS INORGANICS PARTICULARLY BY SEQUESTRATION TECHNIQUES; CHEMICAL-ANALYSIS INTERPRETATION; CORROSION, FOULING AND CONTAMINANT SOURCE ASSESSMENTS; PURIFICATION ALTERNATIVES; CHEMISTRY ASSESSMENTS OF WASTEWATER, INDUSTRIAL-WASTES AND LANDFILL.

DAUGHARTY DA
DEPT OF FOREST RESOURCES
UNIVERSITY OF NEW BRUNSWICK
PO BOX 4400
FREDERICTON NB
E3B 5A3
(506)453-4501

INFLUENCE OF FOREST COVER AND MESO-SCALE TOPOGRAPHIC CHARACTERISTICS ON SNOW COVER; INSTALLATION & MAINTENANCE OF METEOROLOGICAL & HYDROMETRIC INSTRUMENTATION, PROGRAMMING OF DATA LOGGERS. ENERGY BALANCE DETERMINATION IN A FORESTED ENVIRONMENT.

DAVIDSON WR SCIEX DIV OF MDS LABORATORIES LTD 55 GLEN CAMEROON RD THORNHILL ONT M2R 3N8 (416)881-4646 06964722	MANAGER OF RESEARCH AND DEVELOPMENT INCLUDING METHOD AND APPLICATION DEVELOPMENT ORIENTED TOWARDS THE ENVIRONMENTAL MARKET. AREAS OF CURRENT INTEREST INCLUDE DIOXINS, PESTICIDES, PRIORITY POLLUTANTS AND TOXICS IN AIR: IN ALL CASES, TANDEM MASS-SPECTROMETRY IS USED AS THE ANALYTICAL TOOL.
DAVIES RW UNIVERSITY OF CALGARY DEPT OF BIOLOGY 2500 UNIVERSITY DRIVE NW CALGARY ALTA T2N 1N4 (403)220-5260	INVESTIGATIONS OF THE ABUNDANCE AND DISTRIBUTION OF FRESHWATER BENTHIC MACROINVERTEBRATES. STUDIES ON PREDATOR AND PREY INTERACTIONS, SANGUIVORY AND THE EFFECTS OF HYPOXIA, AND ANOXIA HAVE BEEN CARRIED OUT.
DAVIS E DEPARTMENT OF CIVIL ENGINEERING UNIVERSITY OF SASKATCHEWAN SASKATOON SASK S7N OWO (306)966-5340 074 2659	BIOLOGICAL WASTE-TREATMENT FOR DOMESTIC AND INDUSTRIAL APPLICATIONS. PREVENTION OR REDUCTION OF TOTAL TRIHALOMETHANES BY MEANS APPLICABLE TO UNSOPHISTICATED WATER-TREATMENT PLANTS. ENVIRONMENTAL-IMPACT-ASSESSMENT TECHNIQUES MICRO COMPUTER BASED.
DAY JH QUEEN'S UNIVERSITY DEPT OF MEDICINE KINGSTON GENERAL HOSPITAL KINGSTON ONT K7L 3N6 (613)546-4646	INDOOR-AIR QUALITY; MOULD, FORMALDEHYDE & OTHER REACTANTS AND HUMAN HEALTH.
DE KIMPLE CR AGRICULTURE CANADA LAND RESOURCE RESEARCH CENTER CENTRAL EXPERIMENTAL FARM OTTAWA ONT K1A OC6 (613)995-5011	CHARACTERIZATION OF PHYSICAL, CHEMICAL & MINERALOGICAL PROPERTIES OF SOILS IN RELATION TO POTENTIAL FERTILITY & CROP PRODUCTION. FIELD WORK WITH ORGANIC AMENDMENTS TO TEST METHODS OF SOIL CONSERVATION & IMPROVEMENT.
DE SOUZA TLC PULP & PAPER RESEARCH INSTITUTE OF CANADA 570 ST JOHN'S BLVD POINTE CLAIRE QUE H9R 3J9 (514)630-4100 05821541	MONITORING OF SULPHUR GASES FROM SUCH PROCESSES AS KRAFT PULPING IN THE MANUFACTURE OF PAPER. EXPERTISE IN WET-SCRUBBING OF TOTAL REDUCED SULPHUR GASES IN ORDER TO MEET COMPLIANCE REQUIREMENTS.
DE'ATH CE DEPT MAN-ENVIRONMENT STUDIES UNIVERSITY OF WATERLOO WATERLOO ONT N2L 3G1	KOREA: RESEARCH ON POPULATION, AIR & WATER-QUALITY, NUCLEAR-WASTE, AGRICULTURE & INDUSTRIAL POLLUTION WILDLIFE. PAPUA-NEW-GUINEA: MANUS-ISLAND & FORESTRY DEVELOPMENT IMPACTS. CANADA: SOCIAL & ENVIRONMENTAL-ASSESSMENT (LAKE EUGENIA, NWT), ENERGY EDUCATION IN ONTARIO, MINING IN WINDIGO TRIBAL AREA OF NORTHERN ONTARIO.
DEFREITAS ASW NATIONAL RESEARCH COUNCIL ATLANTIC RESEARCH LABORATORY 1411 OXFORD ST HALIFAX NS B3H 3Z1	ENVIRONMENTAL TOXICOLOGY AND DOSIMETRY: BIOACCUMULATION OF HAZARDOUS-CHEMICALS BY TERRESTRIAL, AQUATIC AND AVIAN SPECIES: TRANSFER PROCESSES IN THE ENVIRONMENT. USE OF INDICATOR SPECIES.
DELISLE CE PROFESSEUR ECOLE POLYTECHNIQUE DE MONTREAL CASE POSTAL 6079 SUCCURSALE A MONTREAL QUE H3C 3A7 (514)340-4962 0524146	PRECIPITATIONS-ACIDES. METAUX-LOURDS: MERCURE, CADMIUM, ZINC, CUIVRE. ETUDES D' IMPACT-ENVIRONNEMENTAL.

DEMAYO A
ENVIRONMENT CANADA
WATER QUALITY BRANCH
7TH FLOOR PVM
OTTAWA ONT
K1A OH3
(819)997-3423

WATER-QUALITY MONITORING & SURVEYS. WATER-QUALITY OBJECTIVES. ENVIRONMENTAL DATA & MANAGEMENT INFORMATION-SYSTEMS. WATER-QUALITY DATA INTERPRETATION & REPORTING. ORGANIZATION & EVALUATION OF PROGRAMS.

DENMAN EW
PPG CANADA INC
INDUSTRIAL CHEMICALS
PO BOX 2010
BEAUHARNOIS QUE
J6N 3C3
(514)429-4641

AIR & WATER-POLLUTION; SOLID-WASTE MANAGEMENT; INDUSTRIAL-HYGIENE; COMPUTER APPLICATIONS; CHEMICAL ENGINEERING.

DERMOTT RM
GREAT LAKES FISHERIES RESEARCH BR
FISHERIES & OCEANS CANADA
PO BOX 5050
BURLINGTON ONT
L7R 4A6
(416)336-4868

ENVIRONMENTAL-ASSESSMENT OF LAKE & STREAM INVERTEBRATE POPULATIONS. TAXONOMY OF LAKE BENTHIC INVERTEBRATES. FEEDING & GROWTH RATES.

DESCHENES JM
RESEARCH BRANCH AGRICULTURE CANADA
PLANT RESEARCH CENTRE
CENTRAL EXPERIMENTAL FARM
OTTAWA ONT
K1A OC6
(613)995-8775

DEVELOPMENT OF CROP PLANTS VIA CONVENTIONAL & BIOTECHNOLOGICAL BREEDING TECHNIQUES. PLANT SUPPORT PROGRAMS IN STRESS PHYSIOLOGY PROTECTION, NITROGEN FIXATION & MYCOTOXINS.

DESGRANGES JL
ENVIRONNEMENT CANADA
SERVICE CANADIEN DE LA FAUNE
1141 ROUTE DE L'EGLISE C P 10100
SAINTE-FOY QUE
G1V 4H5
(418)648-3914

ETUDES ECOLOGIQUES SUR LA PLUPART DES GROUPES D' OISEAUX DU CANADA. STRUCTURE DES COMMUNAUTES. SELECTION DE L' HABITAT. EFFETS DES PLUIES-ACIDES SUR LES OISEAUX LACUSTRES ET FORESTIERS.

DESNOYERS JE
INSTITUT NATIONAL DE
LA RECHERCHE SCIENTIFIQUE
2700 RUE EINSTEIN CP 7500
STE-FOY QUE
G1V 4C7
(418)654-2512

PROPRIETES THERMODYNAMIQUES DES TENSIOACTIFS ET COTENSIOACTIFS, PROPRIETES DES EMULSIONS, DISPERSION DES HUILES DANS L' EAU DE MER, CARACTERISATION DES DISPERSANTS.

DEVELOPMENT & RECLAMATION REVIEW
ALBERTA ENVIRONMENT
LAND RECLAMATION DIVISION
3RD FLOOR OXBRIDGE PLACE 9820 106ST
EDMONTON ALTA
T5K 2J6
(403)422-2636

REGULATORY AGENCY: APPROVAL OF RECLAMATION PROGRAMS FOR COAL & OIL-SANDS PROJECTS.

DICK TM
NATIONAL WATER RESEARCH INSTITUTE
HYDRAULICS DIVISION
867 LAKESHORE ROAD
BURLINGTON ONT
L7R 4A6
(416)336-4738
061-8296

HYDRAULICS RESEARCH RELATED TO THE ENVIRONMENT: RIVER MECHANICS, DISPERSION SEDIMENT TRANSPORT, RIVER ICE, AIR, WATER INTERACTIONS, WAVE GENERATION, COASTAL ENGINEERING, SEDIMENTOLOGY, URBAN WATER-RESOURCES.

DICKISON RBB
DEPARTMENT OF FOREST RESOURCES
UNIVERSITY OF NEW BRUNSWICK
FREDERICTON NB
E3B 5A3
(506)453-4501
014-46202

CHANGES IN WATER AND ENERGY BALANCES, STREAMFLOW REGIME AND SNOW-COVER AFTER FOREST HARVESTING ARE BEING RESEARCHED AS PART OF THE NASHWAAK EXPERIMENTAL WATERSHED PROJECT. THE INFLUENCE OF LOW-LEVEL TEMPERATURE INVERSIONS AND LAPSE RATES ON THE EFFICACY OF AERIAL SPRAYS ARE BEING STUDIED IN CONJUNCTION WITH THE NEW-BRUNSWICK SPRAY EFFICACY RESEARCH GROUP.

DILLON P LIMNOLOGY SECTION ONTARIO MINISTRY OF THE ENVIRONMENT DORSET RESEARCH CENTRE PO BOX 39 DORSET ONT POA 1EO	EFFECTS OF ATMOSPHERIC-DEPOSITION ON AQUATIC-CHEMISTRY THROUGH THE USE OF THE CALIBRATED WATERSHED TECHNIQUE. A WIDE VARIETY OF BIOLOGICAL STUDIES AND TERRESTRIAL INVESTIGATIONS ARE ALSO COORDINATED AT THE CENTRE.
DIMMA D ONTARIO MINISTRY OF THE ENVIRONMENT AIR RESOURCES BRANCH 880 BAY ST SUITE 347 TORONTO ONT M5S 1Z8 (416)965-4516	DETERMINES THE SENSITIVITY OF ONTARIO SOILS TO ACIDIC-PRECIPITATION. RESEARCH INCLUDES THE COLLECTION OF BASELINE SOIL INFORMATION, SIMULATED ACIDIC-PRECIPITATION EXPERIMENTS AND SOIL-BUFFERING CURVE EXPERIMENTS, AND THE ROLE THAT ACID-PRECIPITATION IS PLAYING IN MAPLE DECLINE IN ONTARIO.
DINGLE AD DEPT OF BIOLOGY MCMASTER UNIVERSITY HAMILTON ONT L8S 4K1	STUDY OF AMEOBO-FLAGELLATE-PROTOZOANS & THEIR POTENTIAL PATHOGENICITY TO INVERTEBRATE & VERTEBRATE ORGANISMS.
DIONNE JL STATIONS DE RECHERCHES AGRICULTURE CANADA CP 90 LENNOXVILLE QUE J1M 1Z3	RECHERCHES EN FERTILITE DES SOLS. ETUDES DES INTERACTIONS ENTRE LES ELEMENTS-NUTRITIFS ET LE PH DES SOLS, LA TEMPERATURE ET L' HUMIDITE DES SOLS.
DOANE JF RESEARCH STATION AGR CANADA INTEGRATED PEST MANAGEMENT SECTION 107 SCIENCE CR SASKATOON SASK S7N OX2 (306)343-8214	BIOLOGY, BEHAVIOUR AND CONTROL OF WIREWORMS, GROUND BEETLES AND OTHER SOIL INSECTS. IMPACT OF PESTICIDES ON NON-TARGET ORGANISMS PARTICULARLY IN CROP ECOSYSTEMS.
DOBSON HFH NATIONAL WATER RESEARCH INSTITUTE AQUATIC ECOLOGY DIVISION 867 LAKESHOE ROAD PO BOX 5050 BURLINGTON ONT L7R 4A6 (416)336-4789 061-8296	ST-LAWRENCE & GREAT-LAKES: WATER-CHEMISTRY, WATER-QUALITY: TREND ANALYSIS AND MAPPING OF DISTRIBUTIONS, ESPECIALLY THE ASPECT OF PHOSPHORUS MANAGEMENT AND ITS RESULTS.
DODD DJR ONTARIO HYDRO SUP ENG ENVT'L & INORGANIC RES 800 KIPLING AVE TORONTO ONT M8Z 5S4 (416)231-4111	CONTROL OF GAS, LIQUID, SOLID-EMISSIONS FROM THERMAL & NUCLEAR GENERATING STATIONS IN ONTARIO. FOCUS ON FLY-ASH & ACID-GAS CONTROL SYSTEM WASTE-DISPOSAL LEACHING BEHAVIOUR. ACID-GAS CONTROL TECHNOLOGIES.
DOLENKO AJ ENERGY MINES AND RESOURCES CANADA BIOENERGY DIVISION 580 BOOTH ST OTTAWA ONT K1A OE4 (613)995-9447 053-3117	RESPONSIBILITIES RANGE FROM THE DEVELOPMENT OF FEDERAL BIOENERGY POLICY, TO THE CO-ORDINATION OF THE BIOENERGY RESEARCH AND DEVELOPMENT PROGRAM (BIOENERGY DEVELOPMENT PROGRAM), AND BIOENERGY INCENTIVE PROGRAMS FOREST INDUSTRY RENEWABLE-ENERGY PROGRAM) AND ALTERNATE ENERGY DEVELOPMENT PROGRAM (AEDP).
DOMIER KW PROF AND CHAIRMAN DEPT OF AGRICULTURAL ENGINEERING UNIVERSITY OF ALBERTA EDMONTON ALTA T6G 2H2	RESEARCH IN THE VARIOUS AREAS OF AGRICULTURAL ENGINEERING; POWER AND MACHINERY, STRUCTURES AND ENVIRONMENT, SOIL AND WATER.
DONALDSON EM FISHERIES RESEARCH BRANCH DEPT OF FISHERIES & OCEANS 4160 MARINE DRIVE WEST VANCOUVER BC V7V 1N6	SALMONID CULTURE ESPECIALLY CONTROLLED REPRODUCTION, STRESS RESPONSES GROWTH CONTROL, AND CHROMOSOME SET MANIPULATION.

DONALDSON GR CALGARY PLANNING & BUILDING DEPT BOX 2100 STATION M CALGARY ALTA T2P 2M5	URBAN LAND-USE PLANNING. URBAN WILDLAND PARKS.
DONNAN J ONTARIO MINISTRY OF ENVIRONMENT CORPORATE POLICY & PLANNING 135 ST CLAIR AVE W TORONTO ONT M4V 1P5 (416)965-0641	ACID-RAIN SOCIO-ECONOMIC RESEARCH PROGRAM CONSISTING OF DAMAGES & BENEFITS; COST OF ABATEMENT & MITIGATION; TOOLS FOR EVALUATION & POLICY DEVELOPMENT. INTEGRATION OF NATURAL & SOCIAL SCIENCE DATA TO DEVELOP POLICY RELEVANT DOCUMENTATION. MODELLING OF ACIDIFICATION EFFECTS.
DORE WG 60 CARLYLE AVE OTTAWA ONT K1S 4Y4 (613)233-5342	TAXONOMY AND MORPHOLOGY OF GRAMINEAE. PHYTOGEOGRAPHY IN EASTERN NORTH-AMERICA. ABORIGINAL USES OF PLANTS. HISTORICAL CANADIAN BOTANY. FRESHWATER AQUATICS.
DOUBLEDAY WG FISHERIES RESEARCH BR FISHERIES & OCEANS CANADA 240 SPARKS ST OTTAWA ONT K1A OE6 (613)993-0802	POPULATION-DYNAMICS & MANAGEMENT OF MARINE & ANADROMOUS FISH & MARINE MAMMALS.
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HYDROLOGIE; HYDROMETEOROLOGIE; PRECIPITATION; PLUIE; NEIGE; RUISSELLEMENT; DEBIT; ECOULEMENT; PHYSIOGRAPHIE; RIVIERE; BASSIN VERSANT; CRUE; INONDATION; TELEDETECTION EAU; SATELLITE EAU; INTEGRATION DES DONNEES; STATISTIQUE HYDROLOGIE; GESTION-EAU; PLANIFICATION-EAU; PREVISION EAU; DECISION EAU; PROTECTION EAU; CONTROLE-EAU; MODELE HYDROLOGIQUE; CEQUEAU MODELE; MODELE DETERMINISTE MAILLE-CARREAU; MODELE D AJUSTEMENT; PREVISION HYDROLOGIQUE; PREVISION ECOULEMENT; PREVISION TEMPS REEL; RESEAU HYDROLOGIQUE; PLUVIOMETRE; RADAR HYDROLOGIE; STATION-PLUVIOMETRIQUE; RESEAU RADAR METEOROLOGIE; PRECIPITATIONS-ACIDES; POLLUANTS-ATMOSPHERIQUES; TRANSPORT-A-LONGUE-DISTANCE; MODELE STATISTIQUE; DIFFUSION UNIDIMENSIONNEL; ANISOTROPIE-SPATIALE.

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M9W 5L1
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STUDY OF TOTAL SUSPENDED PARTICULATE, DEVELOPMENT & UTILIZATION OF NEW FILTER MEDIUM SUCH AS POLYSTRENE & POLYFLUOROHYDROCARBON MATERIALS. TOXIC METALS IN TSP AND SETTLEABLE PARTICULATE.

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SHERBROOKE QUE
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UNIVERSITY OF GUELPH
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RESEARCH INTO PESTICIDE DISAPPEARANCE FROM TREATED PLANTS & ANIMALS. MONITORING RESEARCH INTO RESISTANCE & MOBILITY IN THE ENVIRONMENT.

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ANALYSIS & INTERPRETATION IN CLINICAL FORENSIC TOXICOLOGY. PHARMACOKINETIC STUDIES. DRUG INTERACTIONS.

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HALIFAX NS
B3J 2S7
(902)426-6281

QUANTIFICATION OF POLLUTANTS AND CONTAMINANTS IN FISH AND SUBLETHAL EFFECTS (BIOCHEMICAL TESTS).

FREEMAN MMR
UNIVERSITY OF ALBERTA
BOREAL INST FOR NORTHERN STUDIES
EDMONTON ALTA
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037-2979

ENVIRONMENT & DEVELOPMENT ISSUES, ESPECIALLY RELATING TO PUBLIC ENVIRONMENTAL POLICY ANALYSIS, CONSERVATION SUSTAINABLE UTILIZATION OF RENEWABLE RESOURCES, TRADITIONAL INDIGENOUS SYSTEMS OF MANAGEMENT & CO-MANAGEMENT SYSTEMS. GEOGRAPHIC FOCUS IS NORTHERN AREAS (CANADA & ALASKA).

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ENVIRONMENTAL ISOTOPE GEOCHEMISTRY IN RELATION TO WASTE-DISPOSAL, CONTAMINANT STUDIES, HYDROGEOLOGY, QUATERNARY GEOLOGY & PALEONTOLOGY. STABLE ISOTOPE ANALYSES, RADIOCARBON DATING, TRITIUM DETERMINATIONS, GEOCHEMICAL ANALYSES.

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ALBERTA ENVIRONMENT
EARTH SCIENCE DIVISION
3RD FLOOR COUSINS BUILDING
LETHBRIDGE ALTA
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CHARACTERIZATION & ASSESSMENT OF THE BIOTRANSFORMATIONAL POTENTIAL OF BACTERIA IN SUBSOIL & GROUNDWATER ENVIRONMENT.

GABOURY G
MINISTERE ENERGIE ET RESSOURCES
ETUDES ENVIRONNEMENTALES
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QUEBEC QUE
G1S 4S7
(418)643-2922

L' UTILISATION DE PESTICIDES EN MILIEU FORESTIER DE MEME QUE LES ACTIVITES DE PRELEVEMENT DES RESSOURCES. LES POLLUANTS-ATMOSPHERIQUES ET LEURS EFFETS SUR LA FORET. DEVELOPPEMENT DE MOYENS DE LUTTE CONTRE LA TORDEUSE-DES-BOURGEONS-DE-L'EPINETTE (BIOESSAIS).

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VEGETATION ENVIRONMENT RELATIONSHIPS WITH APPLICATIONS TO FOREST-MANAGEMENT (REPLANTING), IN SOUTHWESTERN QUEBEC AND VANCOUVER-ISLAND, BRITISH-COLUMBIA. ECOLOGY AND DEMOGRAPHY OF PERENNIAL FOREST HERBS.

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QUEEN'S UNIVERSITY
DEPARTMENT OF BIOLOGY
KINGSTON ONT
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(613)345-6160

ECOLOGIE VEGETALE. TELEDETECTION. ETUDES D' IMPACT-ENVIRONNEMENTAL. REVEGETATION DE SITES POLLUES. BIOACCUMULATION DE METAUX-LOURDS.

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CENTRE FOR EARTH RESOURCES RESEARCH
DEPARTMENT OF EARTH SCIENCES
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GROUNDWATER FLOW SYSTEMS IN FRACTURED AND FRACTURED POROUS MEDIA BASED ON FIELD AND NUMERICAL MODELLING STUDIES. PROJECTS INCLUDE (A) DEWATERING IN FRACTURED ROCK MASSES; (B) HYDROGEOLOGY OF FRACTURED ROCKS AS APPLIED TO MINERAL EXPLORATION AND TOXIC-WASTE DISPOSAL; (C) MEASURED VERSUS COMPUTED FRACTURE POROSITY, AND (D) CHARACTERIZING THE GEOMETRY AND MECHANICAL PROPERTIES OF FRACTURE SYSTEMS.

GANCZARCZYK JJ
UNIVERSITY OF TORONTO
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TORONTO ONT
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APPLICATION OF ACTIVATED SLUDGE PROCESS FOR TREATMENT OF SEWAGE & INDUSTRIAL-EFFLUENTS, INHIBITION OF NITRIFICATION, PHYSICAL BEHAVIOUR OF BIOLOGICAL FLOCS, ROLE OF SOLID SURFACE IN SUSPENDED GROWTH TREATMENT, ESTIMATION OF BIOMASS PRODUCTION & HAZARDOUS WASTE-TREATMENT & DISPOSAL.

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INTERNATIONAL JOINT COMMISSION
GREAT LAKES REGIONAL OFFICE
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N9A 6T3
(519)956-7821

LIMNOLOGY WITH SPECIAL EMPHASIS ON ZOOPLANKTON ECOLOGY. WATER-RESOURCES MANAGEMENT & ENVIRONMENTAL EDUCATION. SECRETARIAT DUTIES WITH RESPONSIBILITY FOR OVERSEEING US & CANADIAN MONITORING & SURVEILLANCE PROGRAMS ON THE GREAT-LAKES.

GARDNER JS
FACULTY OF ENVIRONMENTAL STUDIES
UNIVERSITY OF WATERLOO
WATERLOO ONT
N2L 3G1

SNOW & ICE HYDROLOGY, GLACIOLOGY & EROSION IN HIGH MOUNTAIN AREAS. NATURAL HAZARDS (FLOODS, AVALANCHES, LANDSLIDES IN MOUNTAIN ENVIRONMENTS.

GARNEAU F UNIVERSITE DU QUEBEC A CHICOUTIMI 555 BOUL DE L'UNIVERSITE CHICOUTIMI QUE G7H 2B1 (418)545-5422 051-36108	ETUDE DES PROPRIETES PHYSICO-CHIMIQUES ET MISE EN VALEUR DES SUBSTANCES NATURELLES D'ORIGINE MARINE ET LEUR ROLE CHEZ LES ORGANISMES AQUATIQUES.
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GEHR R CIVIL ENGINEERING MCGILL UNIVERSITY 817 SHERBROOKE ST W MONTREAL QUE H3A 2K6 (514)392-5928 05-268510	WATER & WASTEWATER-TREATMENT, SPECIFICALLY POLYELECTROLYTE USAGE, CHARACTERIZATION & INTERACTIONS; PHOSPHORUS REMOVAL; STATISTICAL-ANALYSIS OF BIODEGRADATION & RIVER QUALITY DATA; ATTACHED VS SUSPENDED GROWTH PROCESSES.
GEMMILL DA POWER ENGINEERING DEPT SOUTHERN ALTA INST OF TECHNOLOGY 1301 16TH AVE NW CALGARY ALTA T2M OL4 (403)284-8824	AIR-POLLUTION CONTROL (SOURCE SAMPLING & INDUSTRIAL SOURCE CONTROL). WASTEWATER-TREATMENT, WASTE POLLUTION CONTROL.
GEORGE Z ALBERTA RESEARCH COUNCIL NISKU 11315-87 AVE EDMONTON ALTA T6G 2C2 (403)955-7891	SULPHUR-DIOXIDE EMISSION. HYDROGEN-SULPHIDE EMISSION. REACTION BETWEEN SULPHUR-DIOXIDE & HYDROGEN-SULPHIDE. ROLE OF CATALYSTS IN THE ABOVE REACTION. SULPHUR RECOVERY.
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KINGSTON ONT
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STUDIES OF GLACIOMARINE ENVIRONMENTS IN ARCTIC & ALPINE REGIONS OF CANADA. WORK INCLUDES ANIMAL & SEDIMENT PROCESSES, THE ACTION OF SEA ICE.

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PHYTOTOXICOLOGY SECTION
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EFFECT OF ACIDIC-DEPOSITION ON TERRESTRIAL ENVIRONMENT. SURVEYS OF FOLIAR CHEMICAL COMPOSITION IN FOREST TREE SPECIES.

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ALBERTA ENVIRONMENT
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PLANNING & MANAGEMENT OF SURFACE-WATER RESOURCES OF SOUTH-SASKATCHEWAN RIVER BASIN IN ALBERTA.

GLERUM C
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TREE PHYSIOLOGY WITH EMPHASIS ON FROST HARDINESS & DORMANCY & RELATED TO QUALITY OF PLANTING STOCK WHICH WILL MAXIMIZE REGENERATION EFFORT & ENHANCE FIBRE PRODUCTION.

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ECOLOGY OF WETLANDS; PEAT; LONG-RANGE TRANSPORT OF ATMOSPHERIC-POLLUTANTS, TRACE-ELEMENT GEOCHEMISTRY.

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DEPT OF CHEMICAL ENGINEERING
UNIVERSITY OF WINDSOR
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BIBLIOGRAPHIES; DOCUMENTATION; INFORMATION SCIENTIFIQUE; TELEREFERENCE; REFERENCE; RENSEIGNEMENT TECHNIQUE; BANQUE-BIBLIOGRAPHIQUE AUTOMATISEE; ENVIRONNEMENT EAU; RESSOURCE EAU; ENVIRONNEMENT-AQUATIQUE; EAU RESSOURCE; ECOLOGIE EAU; ECOLOGIE-AQUATIQUE; HYDROLOGIE; LIMNOLOGIE; ASSAINISSEMENT-EAU; TRAITEMENT-EAUX-USEES.

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USE OF QUARRIES & LINERS FOR LANDFILLS, ENERGY FROM WASTE OPPORTUNITIES; PRIVATE SECTOR FINANCING & OPERATION OF WASTE-MANAGEMENT SYSTEMS; HAZARDOUS-WASTE CLEANUP; PUBLIC PARTICIPATION PROGRAMS FOR SITING CONTROVERSIAL FACILITIES (LANDFILLS, INCINERATORS, HIGHWAYS).

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MARINE-ECOLOGY, ECOLOGICAL MODELLING, ORGAN CARBON CYCLING, MARINE POLLUTION, ENVIRONMENTAL-IMPACT-ASSESSMENT, ASSESSMENT WITH FOCUS ON ESTUARIES & CONTINENTAL SHELF ENVIRONMENTS.

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GRAHAM R
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ARCTIC BIOLOGICAL STATION
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(514)457-3660
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ARCTIC MARINE ZOOPLANKTON DISTRIBUTION AND ECOLOGY. COMPOSITION AND BIOLOGY OF THE ARCTIC SEA ICE FAUNA.

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EXPERTISE IN THE TOXICOLOGICAL EVALUATION OF PCBS AND DIOXINS.

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CYTOGENETIC EFFECTS OF ENVIRONMENTAL CHEMICALS, PRIMARILY PESTICIDES. USE OF HIGHER PLANT ASSAY SYSTEMS FOR TESTING FOR ENVIRONMENTAL-MUTAGENS.

GRAY DM
UNIVERSITY OF SASKATCHEWAN
DIVISION OF HYDROLOGY COLL OF ENGR
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S7N OWO
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RESEARCH INTO HYDROLOGICAL PROBLEMS IMPORTANT TO COLD CLIMATE REGIONS & SEMI-ARID ENVIRONMENT. INTERESTS INCLUDE: HEAT & MASS TRANSFER IN FREEZING SOILS; SNOWMELT INFILTRATION & STREAMFLOW SIMULATION; WATER-USE.

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M5S 1A1

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AGRICULTURE CANADA RESEARCH STN
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REGINA SASK
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TRANSPORT OF HERBICIDES IN AIR, WATER & SOIL. EXPOSURE ESTIMATES OF APPLICATORS TO HERBICIDES. MASS BALANCE OF HERBICIDES AFTER APPLICATION ON FIELD SCALE. AIR-MONITORING OF HERBICIDES. HERBICIDE DRIFT ESTIMATES DURING APPLICATION.

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REFERENCE MATERIALS PREPARATION AND ANALYSIS, TRACE ANALYTICAL METHODS FOR ORGANICS AND METALS IN MARINE SAMPLES. METHODS AND INSTRUMENTATION FOR GFAAS AND ICP EMISSION SPECTROMETRY. MICROPROCESSORS FOR CONTROL OF HARDWARE AND DATA ACQUISITION.

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ANAEROBIC-WASTEWATER-TREATMENT. DEVELOPMENT OF ADVANCED REACTOR CONFIGURATIONS. MODELLING (STEADY STATE & DYNAMIC). EFFECT OF HYDRAULIC AND ORGANIC FACTORS ON THE SLUDGE GRANULATION INDUCTION. DETOXIFICATION (HEAVY METALS).

GULLON AC
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GENERAL AND APPLIED ECOLOGY, WITH SPECIALIST EXPERTISE IN RADIATION ECOLOGY. AREAS OF RESEARCH INCLUDE ENVIRONMENTAL RADIATION MONITORING AND SURVEILLANCE, AND EFFECTS OF CHRONIC EXPOSURE TO RADIATION ON TERRESTRIAL-ECOSYSTEMS. GEOGRAPHIC INFORMATION-SYSTEMS.

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COORDINATION OF PLANNING ACTIVITIES FOR EFFECTIVE & EFFICIENT DEVELOPMENT & USE OF WATER-RESOURCES OF SOUTHERN ALBERTA CONSIDERING ECONOMIC, SOCIAL & ENVIRONMENTAL FACTORS.

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20TH FL PLACE VINCENT MASSEY
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K1A OH3
(819)953-1446

ECOLOGICAL LAND-CLASSIFICATION, INTEGRATED LAND RESOURCE DATA FOR LAND-USE PLANNING AND NATURAL RESOURCE MANAGEMENT. AREA OF EXPERTISE: NORTHWEST-TERRITORIES AND YUKON TERRITORY. MEMBER OF SECRETARIAT FOR CANADA COMMITTEE ON ECOLOGICAL LAND-CLASSIFICATION.

ISAAC GA
ATMOSPHERIC ENVIRONMENT SERVICE
CLOUD PHYSICS RESEARCH DIVISION
4905 DUFFERIN ST
DOWNSVIEW ONT
M3H 5T4
(416)667-4683
06-964582

RESEARCH ON CLOUD PHYSICS, CLOUD CHEMISTRY, AEROSOL PHYSICS, ACID-RAIN, MESOSCALE METEOROLOGY, WEATHER RADAR, WEATHER MODIFICATION, CLOUD CLIMATOLOGY & AIRCRAFT METEOROLOGICAL INSTRUMENTATION.

ISAACS CFW
POLLUTION PROBE FOUNDATION
12 MADISON AVE
TORONTO ONT
M5R 2S1
(416)926-1907
069-63548

THE POLLUTION-PROBE FOUNDATION IS COMMITTED TO DEVELOPING AND MAINTAINING AN AWARENESS OF ENVIRONMENTAL ISSUES AT ALL LEVELS OF CANADIAN SOCIETY AND THROUGH RESEARCH AND REASONED DEBATE. ENCOURAGING INDIVIDUALS, CORPORATIONS, COMMUNITIES AND GOVERNMENT TO ADOPT PRAGMATIC SOLUTIONS TO PRESSING ENVIRONMENTAL PROBLEMS FACING OUR COUNTRY.

IVARSON KC
CHEMISTRY & BIOLOGY RESEARCH INST
AGRICULTURE CANADA
OTTAWA ONT
K1A OC6
(613)995-3700

STUDY THE TRANSFORMATION OF IRON & MANGANESE BY SOIL MICROBES; THE RELEASE OF ELEMENTS FROM MINING ORES BY MICROBES; THE PRODUCTION OF PROTEIN & ALCOHOL FROM WASTES BY MICROBES.

JAMES PC
VETERINARY ANATOMY DEPT
UNIVERSITY OF SASKATCHEWAN
SASKATOON SASK
S7N OWO
(306)966-7414

POPULATION ECOLOGY OF THE MERLIN-FALCO-COLUMBARIUS; LONG-TERM STUDY OF ON URBAN POPULATION IN SASKATOON. CHICKS BANDED & ADULTS TRAPPED EACH YEAR. ALLOWS DATA ON AGE STRUCTURE, TURNOVER & MORTALITY RATE ETC.

JAMES W
MCMASTER UNIV
CIVIL ENGINEERING DEPT
MAIN ST W
HAMILTON ONT
L8S 4Z7
(416)527-6944
0618346 MCMASTER

URBAN HYDROLOGY, STORMWATER MANAGEMENT, FIELD INSTRUMENTATION, COMPUTER-MODELLING, STORM MODELS WATER-QUALITY MODELLING.

JANKE LCG
CANMET EMR
ENERGY RESEARCH LABORATORIES
C/O 555 BOOTH ST
OTTAWA ONT
K1A OG1
(613)995-4474
053 3586

DEVELOPMENT OF TECHNOLOGY TO OPTIMIZE THE RECOVERY & UTILIZATION OF CANADIAN FOSSIL FUELS IN AN ENVIRONMENTALLY ACCEPTABLE MANNER. PRODUCTION OF SYNTHETIC FUELS FROM NON CONVENTIONAL SOURCES. INTEGRATION OF SYNTHETIC FUELS INTO THE END-USE SYSTEM SUPPORT. POLICY SUPPORT.

JAOUICH A
UNIVERSITE DU QUEBEC A MONTREAL
DEPT DES SCIENCES DE LA TERRE
C P 8888 STATION A
MONTREAL QUE
H3C 3P8
(514)282-3378

TERRES AGRICOLES CONTRAINTES GENERALES. PROPRIETES PHYSIQUES, CHIMIQUES, BIOLOGIQUES. PROBLEMES DE TRAITEMENT DE DECHETS-AGRICOLES, INDUSTRIELS ET URBAINS. SYSTEMES DE TRANSPORT ET ENTREPOSAGE DE SUBSTANCES-INFLAMMABLES.

JEGLUM JK
GREAT LAKES FORESTRY CENTRE
CANADIAN FORESTRY SERVICE
SAULT STE MARIE ONT
P6A 5M7

WETLAND AND PEATLAND CLASSIFICATION AND ECOLOGY; BLACK-SPRUCE REGENERATION; SILVICULTURE; VEGETATION AND FLORISTICS OF BOREAL-FORESTS; SUCCESSION AND DYNAMICS OF BOREAL-FORESTS.

JENICEK M
UNIVERSITE DE MONTREAL
MEDECINE SOCIALE ET PREVENTIVE
2375 CHEMIN COTE STE CATHERINE
MONTREAL QUE
H3T 1A8
(514)343-6139

EPIDEMIOLOGIE CLASSIQUE ET CLINIQUE. MALADIES NONINFECTIEUSES ET INFECTIEUSES.

JOBIN LJ
AGRICULTURE CANADA
SERVICE CANADIEN DES FORETS
1055 RUE DU PEPS
SAINTE-FOY QUE
G1V 4C7
(418)648-7063
051 315 60

DEVELOPPEMENT DE PIEGES A INSECTES ET DE RESEAUX PERMETTANT LA DETECTION ET LA SURVEILLANCE D' INSECTES INVISIBLES AUX FORETS ET A L' AGRICULTURE. PIEGES A PHEROMONES SEXUELLES ET PIEGES-LUMINEUX. ENTOMOLOGIE FORESTIERE. PROTECTION DES FORETS.

JOHN RD
ENERGY MINES & RESOURCES
NATIONAL URANIUM TAILINGS PROGRAM
555 BOOTH ST
OTTAWA ONT
K1A OG1
(613)995-4183
053-3117

RESEARCH PROGRAM TO ASSIST GOVERNMENT & INDUSTRY TO ESTABLISH LONG-TERM CLOSE OUT STRATEGIES FOR URANIUM TAILINGS SITE INCLUDING DEVELOPMENT OF A PROBABILISTIC PREDICTIVE MODEL (UTAP).

JONES ARC
MACDONALD COLLEGE MCGILL UNIV
WOODLAND RESOURCES
BOX 500 21111 LAKESHORE ROAD
STE ANNE DE BELLEVUE QUE
H9X 1CO
(514)457-2000

PRIVATE FOREST-MANAGEMENT. SHORT ROTATION FORESTRY; HARDWOOD FOREST DECLINE, MONITORING OF DAMAGING AGENTS & AMELIORATION OF EFFECTS.

JONES EP
BEDFORD INSTITUTE OF OCEANOGRAPHY
DEPT OF FISHERIES AND OCEANS
PO BOX 1006
DARTMOUTH NS
B2Y 4A2
(902)426-3869

CHEMICAL OCEANOGRAPHY RESEARCH, PRIMARILY INVOLVING NUTRIENTS, OXYGEN, ALKALINITY, CARBONATE AND FREONS. AREAS STUDIED INCLUDE ARCTIC OCEAN, BAFFIN-BAY, CANADIAN ARCHIPELAGO, LABRADOR-SEA AND NORTH ATLANTIC OCEAN.

JONES GA
DEPT OF APPLIED MICROBIOLOGY AND
FOOD SCIENCE
UNIVERSITY OF SASKATCHEWAN
SASKATOON SASK
S7N OWO

PHYSIOLOGY AND METABOLISM OF ANAEROBIC MICROORGANISMS IN THE ENVIRONMENT; ROLE OF ANAEROBES IN RUMINANT DIGESTIVE METABOLISM.

JONES HG
INRS-EAU
UNIVERSITE DU QUEBEC
C P 7500
SAINTE-FOY QUE
G1V 4C7
(418)654-2524

CHEMISTRY OF SNOW FALL & SNOW-COVER. SNOWMELT IN NORTHERN ECOSYSTEMS. DRY DEPOSITION & TRANSFORMATION OF N-SPECIES TO SNOW-COVER IN BOREAL-FOREST WATERSHEDS.

JONES PH
UNIVERSITY OF TORONTO
INSTITUTE FOR ENVIRONMENTAL STUDIES
TORONTO ONT
M5S 1A4
(416)978-7078
06 23887 GEOLTOR

STUDY, DESIGN AND OPERATION OF BIOLOGICAL WASTEWATER-TREATMENT, SOLID-WASTE MANAGEMENT, TOXIC AND HAZARDOUS-CHEMICALS, CHEMICAL-ACCIDENTS, ENVIRONMENTAL HEALTH IMPACT-ASSESSMENT. BIOLOGICAL REMOVAL ON PHOSPHORUS AND NITROGEN.

JORDAN DC
UNIVERSITY OF GUELPH
DEPARTMENT OF MICROBIOLOGY
GUELPH ONT
N1G 2W1
(519)824-4120

BIOLOGICAL NITROGEN FIXATION REGARDING RHIZOBIA LEGUMINOUS PLANT ASSOCIATION. SYSTEMATICS OF RHIZOBIUM AND BRADYRHIZOBIUM. CARBON-DIOXIDE FIXATION BY RHIZOBIA. POWDER TYPE LEGUME INOCULANTS.

JORGENSEN E
UNIVERSITY OF GUELPH ARBORETUM
GUELPH ONT
N1G 2W1
(519)824-4120

SILVICULTURE, ARBORICULTURE AND AGROFORESTRY WITH AN EMPHASIS ON URBAN FORESTRY SPECIES SELECTION, CULTURAL TECHNIQUES AND DISEASE CONTROL.

JOSHI SR
NATIONAL WATER RESEARCH INST
ENVIRONMENT CANADA
PO BOX 5050
BURLINGTON ONT
L7R 4A6
(416)336-4573
061-8296

DEVELOPMENT OF METHODS FOR MEASURING RADIONUCLIDE IN THE AQUATIC ENVIRONMENT; IMPACT OF RADIONUCLIDES RELEASED FROM NUCLEAR FACILITIES & URANIUM MINING INDUSTRY ON THE AQUATIC ENVIRONMENT; NUCLEAR TECHNIQUES IN WATER-POLLUTION RESEARCH.

JURY JW
TRENT UNIVERSITY
FRESH WATER GRAD PROG
PETERBOROUGH ONT
K9J 7B8
(705)748-1495

INVESTIGATION OF RADON GAS IN NATURAL WATERS. TRACE-ELEMENT ANALYSIS USING PHOTON & NEUTRON ACTIVATION TECHNIQUES. PHOTON SPECTROSCOPY (GAMMA-RAYS). RADIATION IMAGING & MONITORING.

KALFF J
BIOLOGY
MCGILL UNIVERSITY
MONTREAL QUE
H3A 1B1
(514)392-4660
05268510

AQUATIC ECOLOGY. LIMNOLOGY. MACROPHYTES AND PHYTOPLANKTON. NUTRIENTS. PRODUCTION AND BIOMASS. WATERSHEDS. NUTRIENT AND TOXINS RELATIONSHIPS OF PRIMARY PRODUCTION TO SECONDARY AND FISH PRODUCTION. TROPICAL. TEMPERATE AND ARCTIC LAKES.

KARAU JH
ENVIRONMENT CANADA C&P
OPERATIONAL SUPPORT BRANCH
OTTAWA ONT
K1A OH3
(819)997-3353

NATIONAL MANAGER OF THE OCEAN DUMPING CONTROL ACT (ODCA) PROGRAM WHICH REGULATES THE DISPOSAL OF WASTES AT SEA THROUGH A SYSTEM OF PERMITS.

KARIEL HG
PROFESSOR
DEPT OF GEOGRAPHY
UNIVERSITY OF CALGARY
CALGARY ALTA
T2N 1N4
(403)220-5584

NOISE IN OUTDOOR RECREATIONAL ENVIRONMENTS; ENVIRONMENTAL PERCEPTION. SOCIO-CULTURAL AND ENVIRONMENTAL CHANGE ASSOCIATED WITH TOURISM; DIFFUSION OF IDEAS AND ARTIFACTS.

KARIM GA
MECHANICAL ENGINEERING DEPT
UNIVERSITY OF CALGARY
CALGARY ALTA
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(403)220-5775
03821545

COMBUSTION & FLAME RESEARCH INCLUDING AIR-POLLUTION FROM COMBUSTION DEVICES WITH SPECIAL ATTENTION TO COLD TEMPERATURE PROBLEMS.

KAUSHIK N
ENVIRONMENTAL BIOLOGY
UNIVERSITY OF GUELPH
GUELPH ONT
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(519)824-4120

AQUATIC BIOLOGY; HEADWATER STREAMS; IMPACT OF AGRICULTURE ON STREAM ENVIRONMENTS; ALLOCHTHONOUS ORGANIC MATTER IN STREAMS; ECOTOXICOLOGY; USE OF LIMNOCORRALS IN ASSESSMENT OF PESTICIDES ON AQUATIC ENVIRONMENTS.

KEDDY PA
DEPT OF BIOLOGY
UNIVERSITY OF OTTAWA
OTTAWA ONT
K1N 6N5

ENVIRONMENTAL FACTORS REGULATING SPECIES COMPOSITION IN WETLANDS VEGETATION. HUMAN IMPACTS ON WETLAND VEGETATION. STATUS OF RARE AND OR ENDANGERED-PLANTS (WETLANDS). TECHNIQUES EMPHASIZE EXPERIMENTS CONDUCTED UNDER FIELD CONDITIONS - ' EXPERIMENTAL COMMUNITY ECOLOGY'.

KEFFER JF
UNIVERSITY OF TORONTO
MECHANICAL ENGINEERING
KINGS COLLEGE ROAD
TORONTO ONT
M5S 1A4
(416)978-2181

RESEARCH IN FLUID MECHANICS, HYDRAULICS & TURBULENCE; NATURAL & INDUSTRIAL SITUATIONS. DISPERSION. DIFFUSION. MIXING. METEOROLOGICAL SITUATIONS WITHIN PLANETARY BOUNDARY LAYER. EXPERIMENTAL (LAB & FIELD STUDIES). NUMERICAL MODELLING. WIND EROSION OF MINE-TAILINGS. COAL PILES ETC.

KEITH CT
FORINTEK CANADA CORP
WOOD SCIENCE DEPT
800 MONTREAL ROAD
OTTAWA ONT
K1G 3Z5

SPECIES IDENTIFICATION OF WOOD BY ANATOMICAL STRUCTURE FOR SCIENTIFIC, FORENSIC, OR ARCHAEOLOGICAL PURPOSES. RELATION OF WOOD ANATOMY TO PROPERTIES AND UTILIZATION CHARACTERISTICS OF WOOD. WOOD QUALITY. GROWTH RELATIONS.

KELLEHER JS
AGRICULTURE CANADA
BIOSYSTEMATICS RESEARCH CENTRE
KW NEATBY BUILDING
OTTAWA ONT
K1A OC6
(613)996-1665

BIOLOGICAL CONTROL OF PEST INSECTS BY IMPORTATION OF EXOTIC SPECIES OF NATURAL ENEMIES FROM OTHER COUNTRIES.

KELLEY DG
DEPT OF THE ENVIRONMENT
CONSERVATION & PROTECTION
13TH FL PLACE VINCENT MASSEY
OTTAWA ONT
K1A OH3
(819)994-2493
9970547

ASSESSMENT & CONTROL OF HUMAN ACTIVITIES WHICH POSE ENVIRONMENTAL THREATS SUCH AS ACID-RAIN, TOXIC-CHEMICALS & HAZARDOUS-WASTES. SPECIFIC ACTIVITIES INCLUDE URBAN, INDUSTRIAL AND TRANSPORT.

KELSO JRM
GREAT LAKES FISHERIES RESEARCH BR
DEPT OF FISHERIES & OCEANS
1219 QUEEN ST E
SAULT STE MARIE ONT
P6A 2B3

EFFECTS OF ATMOSPHERIC-DEPOSITION ON FISHERIES-RESOURCES EFFECTS OF CONTAMINANTS ON FISH POPULATIONS (BODY BURDENS, BEHAVIOUR).

KEMPER JB
ALBERTA ENVIRONMENT
PLANNING DIVISION
9820 106 STREET 9TH FLOOR
EDMONTON ALTA
T5K 2J6
(403)427-2375
0372006

ENVIRONMENTAL-ASSESSMENT & MITIGATION RELATED TO WATER-RESOURCE MANAGEMENT: FISHWAYS, INSTREAM FLOW NEEDS, WATER-QUALITY MODELLING, HABITAT ENHANCEMENT.

KENDRICK WB
PROFESSOR
DEPARTMENT OF BIOLOGY
UNIVERSITY OF WATERLOO
WATERLOO ONT
N2L 3G1

MYCOLOGY, ESPECIALLY MOLDS (HYPHOMYCETES). SYSTEMATICS, ECOLOGY, DEVELOPMENT.

KENG JCW
AGRICULTURE CANADA
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AGASSIZ BC
VOM 1AO

SOIL-PHYSICS, SOIL & WATER-ENGINEERING, AGRICULTURAL HYDROLOGY; WATERSHED MANAGEMENT; CONSERVATION FARMING.

KENNEDY KJ
NATIONAL RESEARCH COUNCIL OF CANADA
DIVISION OF BIOLOGY
100 SUSSEX DRIVE
OTTAWA ONT
K1A OR6
(613)990-0996

RESEARCH IN CONVERSION OF INDUSTRIAL AND AGRICULTURAL WASTES TO METHANE IN ADVANCED ANAEROBIC REACTOR SYSTEMS.

KENNEDY ME
LABORATORY CTRE FOR DISEASE CONTROL
DIVISION OF BIOSAFETY
TUNNEYS PASTURE
OTTAWA ONT
K1A OL2
(613)990-8863
053-3679

BIOSAFETY: BIOCONTAINMENT TECHNOLOGY.

KENNEY BC
NATIONAL HYDROLOGY RESEARCH INST
LIMNOLOGICAL RESEARCH DIVISION
11 INNOVATION PLAGE
SASKATOON SASK
S7N 2X8

PHYSICAL LIMNOLOGY OF PRAIRIE LAKES INCLUDING ASPECTS OF AIR & WATER INTERACTION, MIXING AND TURBULENCE, SEDIMENT RESUSPENSION AND LARGE SCALE LAKE CIRCULATION. EUTROPHICATION AND PHOSPHORUS DYNAMICS MODELS. WATER CIRCULATION UNDER WINTER ICE.

KERR DC
CUMMING COCKBURN AND ASSOC LTD
CONSULTING ENGINEERS AND PLANNERS
145 SPARKS ST
WILLOWDALE ONT
M2H 2S5

ENVIRONMENTAL-IMPACT-ASSESSMENT ON AQUATIC & TERRESTRIAL ENVIRONMENTS; WATER-QUALITY ASSESSMENT; WETLAND PRESERVATION. WATER-QUALITY INSTREAM COMPUTER-MODELLING; HYDRODYNAMIC-MODELLING; ENVIRONMENTAL-PLANNING & RESOURCE-MANAGEMENT.

KERR HA
ALBERTA ENVIRONMENT
EARTH SCIENCES DIVISION
10405 JASPER AVENUE
EDMONTON ALTA
T5J 3N4
(403)427-6131
037-2006

GEOLOGICAL, HYDROGEOLOGICAL & GEOPHYSICAL INVESTIGATIONS FOR PROPER MANAGEMENT OF SOIL & GROUNDWATER RESOURCES.

KERSHAW GP
UNIV OF ALBERTA
GEOGRAPHY
EDMONTON ALTA
T6G 2H4
(403)432-4408

RECLAMATION & MITIGATION OF ARCTIC, SUBARCTIC & ALPINE DISTURBANCES DEVELOPMENT OF RESOURCES. ASPEN PARKLAND, BOREAL, SUBARCTIC, ALPINE & ARCTIC ECOSYSTEMS STRUCTURE & FUNCTION.

KESIK AB
UNIVERSITY OF WATERLOO
DEPT OF GEOGRAPHY
UNIVERSITY AVE
WATERLOO ONT
N2L 3G1
(519)885-1211

GEOMORPHOLOGICAL & HYDROLOGICAL SURVEY AND MAPPING. REMOTE-SENSING OF NATURAL-RESOURCES. TERRAIN EVALUATION.

KEVAN DK
DEPT ENTOMOLOGY MACDONALD COLLEGE
MCGILL UNIVERSITY
STE-ANNE DE BELLEVUE QUE
H9X 1CO

BIOSYSTEMATICS AND ECOLOGY OF ORTHOPTEROID INSECTS (LOCUSTS. GRASSHOPPERS. CRICKETS. COCKROACHES. TERMITES AND NEUROPTEROID INSECTS (LACEWING-FLIES) SOIL FAUNA STUDIES (ECOLOGY OF MICROARTHROPODS) AND MYRIAPODS RELEVANCE OF ENTOMOLOGICAL FOLKLORE AND CUSTOMS TO SCIENTIFIC ENTOMOLOGY.

KHACHATOURIANS GG
DEPT OF APPLIED MICROBIOLOGY
SUB-UNIT FOOD SCIENCE
UNIVERSITY OF SASKATCHEWAN
SASKATOON SASK
S7N OWO
(306)966-5032

ASSESSMENT OF MICROBIAL TOXINS FOUND IN THE ENVIRONMENT. WORK ON MYCOTOXINS T-2, VOMITOXIN, BACILLUS THURINGIENSIS, DELTA TOXIN & ENTEROTOXINS ON INVERTEBRATES IN NATURAL ENVIRONMENTS. ANALYSIS OF POTENTIAL ENVIRONMENTAL TOXICANTS BY MICROBIAL MUTAGENICITY TESTS. EPIDEMIOLOGY OF ENTEROTOXIGENIC E.-COLI IN HUMAN & ANIMAL ENVIRONMENTS. PERSISTANCE OF MICROBIAL INSECTICIDES IN THE AGRICULTURAL ENVIRONMENT.

KHALIL M
UNIVERSITY OF QUEBEC
300 AVE URSULINES
RIMOUSKI QUE
G5L 3A1
(418)724-1759
051-31-623

ORGANIC GEOCHEMISTRY OF SURFACE SEDIMENTS. ESTUARINE POLLUTION STUDIES INCLUDING THE CONTAMINATION OF MARINE ORGANISMS BY ORGANOHALOGENATED-COMPOUNDS AND POLYAROMATIC-HYDROCARBONS. TOXICOLOGICAL STUDIES OF INDUSTRIAL POLLUTANTS AND THEIR INTRODUCTION IN THE MARINE FOOD-CHAIN.

KHAN AW
SENIOR RESEARCH OFFICER
DIVISION OF BIOLOGICAL SCIENCES
NATIONAL RESEARCH COUNCIL OF CANADA
OTTAWA ONT
K1A OR6
(613)990-6850

ANAEROBIC CONVERSION OF CELLULOSIC WASTE OBTAINED FROM FORESTRY, AGRICULTURE, FARM, PAPER AND FOOD INDUSTRY AS WELL AS INDUSTRIAL AND MUNICIPAL SOLID-WASTE, TO FUELS AND CHEMICAL FEED STOCK.

KHAN SU
LAND RESURCE RESEARCH CENTRE
RESEARCH BRANCH AGRICULTURE CANADA
KW NEATBY BUILDING
OTTAWA ONT
K1A OC6
(613)995-3700

FATE OF PESTICIDES IN SOIL, PLANT, WATER & ANIMALS. ENVIRONMENTAL-POLLUTION. CHEMICAL & BIODEGRADATION OF PESTICIDES. BIOAVAILABILITY & TOXICOLOGY OF PESTICIDES IN ANIMALS, PESTICIDE DEGRADING PLASMIDS, BIOTECHNOLOGY OF PESTICIDES.

KICENIUK JW
FISHERIES AND OCEANS CANADA
BOX 5667
ST JOHN'S NFLD
A1C 5X1
(709)772-2087

AQUATIC TOXICOLOGY OF CHRONIC EXPOSURE. TOXICOLOGY OF HYDROCARBONS. ANALYSIS OF HYDROCARBONS IN WATER SEDIMENT AND BIOLOGICAL SAMPLES.

KILBURN DG UNIVERSITY OF BC DEPT OF MICROBIOLOGY VANCOUVER BC V6T 1W5 (604)228-4182	LARGE SCALE CULTURE OF ANIMAL CELLS. PRODUCTION OF INDUSTRIAL ENZYMES (E.G. CELLULOSE) BY DNA TECHNOLOGY.
KILLEY RWD ATOMIC ENERGY OF CANADA RESEARCH CO HEALTH SCIENCES DIV CHALK RIVER NUCLEAR LABS CHALK RIVER ONT KOJ 1JO	PHYSICAL & CHEMICAL CONTROLS ON CONTAMINANT TRANSPORT IN GROUNDWATER FLOW SYSTEMS, INCLUDING PREDICTIVE MODELLING.
KIMMINS JP UNIVERSITY OF BC FACULTY OF FORESTRY VANCOUVER BC VANCOUVER BC V6T 1W5 (604)228-3549	ENVIRONMENTAL-IMPACT OF FOREST-MANAGEMENT. FOREST ECOSYSTEM FUNCTIONS, BIOMASS AND NUTRIENT-CYCLING, PRODUCTIVITY. COMPUTER-SIMULATION MODELLING OF LONG-TERM IMPACTS OF INTENSIVE FOREST-MANAGEMENT ON YIELD AND SITE FERTILITY - FORCYTE.
KINGSBURY PD ENVIRONMENTAL IMPACT PROJECT FOREST PEST MANAGEMENT INST 1219 QUEEN ST EAST SAULT STE MARIE ONT P6A 5M7	ENVIRONMENTAL-IMPACT OF FORESTRY PESTICIDES IN TERMS OF EFFECTS ON FISH, AQUATIC INVERTEBRATE, SONGBIRD AND TERRESTRIAL INVERTEBRATE POPULATIONS AND THEIR ECOLOGICAL RELATIONSHIPS.
KITCHEN CM ECOPLANS LTD 544 CONESTOGO RD W WATERLOO ONT N2L 4E2 (519)884-7200	APPLICATION OF ENVIRONMENTAL SCIENCES TO PLANNING AND DESIGN ENGINEERING, DECISION MAKING; ENVIRONMENTAL-ASSESSMENT; SOILS & AGRICULTURE; FORESTRY, RECREATION, RESOURCE-MANAGEMENT. NATURAL AREAS RESEARCH.
KNAPPER CK FACULTY OF ENVIRONMENTAL STUDIES UNIVERSITY OF WATERLOO WATERLOO ONT N2L 3G1 (519)885-1211 069-55259	ENVIRONMENTAL ATTITUDES AND PERCEPTIONS, ESPECIALLY RELATING TO DRIVING BEHAVIOUR AND THE TRAFFIC ENVIRONMENT.
KNETTIG E UNIVERSITY OF ALBERTA DEPT OF CIVIL ENGINEERING EDMONTON ALTA T6G 2G7 (403)432-3950 0372979	ANAEROBIC BIODEGRADATION OF CHLOROPHENOLS. DECHLORINATION OF DIFFERENT ISOMERS & POSSIBLE MINERALIZATION. ACTIVATED CARBON ADSORPTION OF ORGANICS FOR TREATING WASTEWATER EFFLUENTS & DRINKING-WATER.
KNIGHT G ELLIOT LAKE LAB CANMET E M R BOX 100 ELLIOT LAKE ONT P5A 2J6 (705)848-2236	AIRBORNE DUST IN MINES. MEASUREMENT PRODUCTION CONTROL, X-RAY DIFFRACTION ASSESSMENT OF QUARTZ IN MINE AIRBORNE DUST. RESPIRABLE DUST SAMPLING IN THE WORK PLACE.
KNOWLES R DEPT OF MICROBIOLOGY MACDONALD COLLEGE OF MCGILL UNIV 21111 LAKESHORE ROAD STE ANNE DE BELLEVUE QUE H9X 1CO (514)457-2000 05821788	MICROBIOLOGICAL NITROGEN TRANSFORMATIONS IN THE ENVIRONMENT, INCLUDING N2-FIXATION, NITRIFICATION, DENITRIFICATION OF N OXIDES. AQUATIC AND TERRESTRIAL SYSTEMS.

KOBYLNYK R
DIR PESTICIDE CONTROL BRANCH
BC MINISTRY OF ENVIRONMENT
PARLIAMENT BLDGS
VICTORIA BC
V8V 1X5
(604)387-9411
049-7394

SURVEYS OF PESTICIDE RESIDUES IN AREAS WHERE SURFACE & GROUNDWATER CONTAMINATION MAY OCCUR.

KOCELA RJ
INDUSTRIAL RESEARCH INSTITUTE
UNIVERSITY OF WINDSOR
WINDSOR ONT
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(519)973-7032

NON-PROFIT CORPORATION AT UNIVERSITY OF WINDSOR CONTRACT RESEARCH: AIR-POLLUTION MEASUREMENT & CONTROL; HYDRAULIC & HYDRODYNAMIC-MODELLING; NOISE & VIBRATION STUDIES & CONTROL; TOXICOLOGY.

KOHLI B
WATER RESOURCES BRANCH
MINISTRY OF THE ENVIRONMENT
135 ST CLAIR AVE WEST
TORONTO ONT
M4V 1P5
(416)965-4590

PHYSICAL LIMNOLOGY; HYDRODYNAMIC-MODELLING & WATER-QUALITY SIMULATION, SEDIMENT. TRANSPORT, DISPERSION & DIFFUSION PROCESSES. ASSESSMENTS AND OPTIMIZATION OF SEWAGE OUTFALL (SUBMERGED DIFFUSERS) AND WATER INTAKE. LAKE HARBOUR EXCHANGE PROCESSES.

KOSARIC N
FACULTY OF ENGINEERING SCIENCE
THE UNIVERSITY OF WESTERN ONTARIO
LONDON ONT
LONDON ONT
N6A 5B9
(519)679-8318
0647134UWOLIBLDN

BIOCHEMICAL AND FOOD ENGINEERING. WASTEWATER MANAGEMENT. NEW PROCESS AND PRODUCT DEVELOPMENT RELATED TO ENERGY, FOOD, SPECIALTY CHEMICALS AND ENVIRONMENT.

KRAMER JR
DEPT OF GEOLOGY
MCMASTER UNIVERSITY
HAMILTON ONT
L8S 4M1

GEOCHEMISTRY RESEARCH INCLUDING IMPACT OF ACIDIC-PRECIPITATION; METAL SPECIATION AND BIOLOGICAL TOXICITY; AQUEOUS CHEMISTRY OF SHIELD LAKES.

KRISHNAPPA G
NATIONAL RESEARCH COUNCIL OF CANADA
ENGINE LABORATORY
MONTREAL ROAD
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K1A OR6
(613)749-5774

MEASUREMENT OF SOUND POWER & SOUND INTENSITY OF MACHINERY NOISE SOURCE. RESEARCH IS RELATED TO USING SOUND INTENSITY MEASUREMENTS IN MACHINERY NOISE MEASUREMENTS.

KRISHNAPPAN BG
CANADA CENTRE FOR INLAND WATERS
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EFFETS DES PLUIES-ACIDES SUR LA FAUNE BENTHIQUE ET SUR LES POISSONS, EN PARTICULIER L' OMBLE-DE-FONTAINE (SALVELINUS-FONTINALIS). ECOLOGIE DES LACS DE RESERVOIRS.

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IMPACT-ASSESSMENT OF PROPOSED INDUSTRIAL DEVELOPMENTS THAT COULD AFFECT WATER-QUALITY. INVESTIGATIVE PROGRAMS ON IMPACT OF SPECIFIC POLLUTANTS & CONTAMINANTS ON FISH (PACIFIC SALMON) & FISH-HABITAT. POLICY & LEGISLATIVE ADVISOR ON WATER-QUALITY ISSUES.

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BIOLOGY
UNIVERSITY AVE
HALIFAX NS
B4H 4J1
(902)424-2158

ECOLOGICAL EFFECTS OF ACID-PRECIPITATION. RECENT CLIMATIC CHANGE: TRENDS AND IMPACTS.

OLDHAM KB
TRENT UNIVERSITY
DEPT OF CHEMISTRY
PETERBOROUGH ONT
K9J 7B8
(705)748-1336

APPLICATION OF ELECTROCHEMICAL METHODS TO CHEMICAL-ANALYSIS, EG. DISSOLVED OXYGEN. METHODOLOGY FOR ACCESSING BATTERY PERFORMANCE. MATHEMATICAL-MODELLING.

OLIVER BG
NATIONAL WATER RESEARCH INSTITUTE
ENVIRONMENTAL CONTAMINANTS DIVISION
867 LAKESHORE RD PO BOX 5050
BURLINGTON ONT
L7R 4A6
(416)336-4604

PATHWAYS OF ORGANIC CONTAMINANTS IN AQUATIC ENVIRONMENT, BIOCONCENTRATION & BIOACCUMULATION OF ORGANICS BY FISH, BY-PRODUCTS OF DRINKING-WATER CHLORINATION.

OLSON MP
ENVIRONMENT CANADA
ATMOSPHERIC ENVIRONMENT SERVICE
4905 DUFFERIN ST
DOWNSVIEW ONT
M3H 5T4
(416)667-4903

APPLICATION OF LAGRANGIAN (TRAJECTORY) LONG-RANGE-TRANSPORT-OF-AIR-POLLUTANTS MODEL TO NORTH AMERICAN, ARCTIC & SOME WESTERN EUROPEAN DOMAINS. MAINTAIN DATA-BASES FOR MODEL APPLICATIONS.

ORMROD DP
DEPT HORTICULTURAL SCIENCE
UNIVERSITY OF GUELPH
GUELPH ONT
N1G 2W1
(519)824-4120

RESEARCH ON THE EFFECT OF GASEOUS AIR-POLLUTION & HEAVY-METALS ON PLANTS. STUDIES OF DOSE-RESPONSE RELATIONSHIPS, INJURY MECHANISMS, INTERACTIONS OF POLLUTANTS & ENVIRONMENTAL EFFECTS.

OSWALD ET
CANADIAN FORESTRY SERVICE
PACIFIC FORESTRY CENTRE
506 W BURNSIDE ROAD
VICTORIA BC
V8Z 1M5
(604)388-0687
049-7147

VEGETATION CLASSIFICATION AND MAPPING, PLANT ECOLOGY, FOREST RESOURCE ANALYSES AND ENVIRONMENTAL-IMPACT-ASSESSMENTS IN NORTH AND WEST CANADA, EXPERTISE IN VEGETATION CLASSIFICATION, SITE-ANALYSIS, PLANT-SUCCESSION, WETLANDS AND REMOTE-SENSING.

OUELLET M
INRS-EAU
UNIVERSITE DU QUEBEC
C P 7500
SAINTE-FOY QUE
G1V 4C7
(418)654-2524

PALEOLIMNOLOGICAL STUDY OF LAKE SEDIMENTS AS A MEANS OF RECONSTRUCTING PAST ANTHROPOGENIC IMPACTS. LONG-RANGE-ATMOSPHERIC-POLLUTANTS SUCH AS ACIDIFYING PRODUCTS, HEAVY-METALS, FLUORIDES AND POLYCYCLIC-HYDROCARBONS.

OUELLETTE GB
CTR DE FORESTERIE DES LAURENTIDES
SERVICE CANADIEN DES FORETS
1055 DU PEPS CP 3800
STE-FOY QUE
G1V 4C7
051-31560

PATHOLOGIE VEGETALE (SPECIALITE FORESTIERE): FLETRISSEMENTS-FONGIQUES (ORME, TOMATE, AUBERGINE). RELATIONS HOTE-PATHOGENE AU MOYEN: TECHNIQUES MICROSCOPIE ELECTRONIQUE (TRANSMISSION ET BALAYAGE ET MICROANALYSE) & IMMUNOCYCYTOCHIMIQUES. DETECTION DE SUBSTANCES ANTIFONGIQUES OU TOXIQUES. MYCOLOGIE.

OVEREND RP
NATIONAL RESEARCH COUNCIL
DIVISION OF BIOLOGICAL SCIENCES
RIDEAU FALLS LABORATORY
OTTAWA ONT
K1A OR6
(613)993-1342
053-3715

INVESTIGATION OF POTENTIAL AND APPLICATIONS OF BIOMASS LIQUEFACTION AND FRACTIONATION FOR CHEMICALS AND ENERGY. PEAT MINING AND DEWATERING WITH ENVIRONMENTAL-IMPACT AND PROCESS IMPACT.

OZBURN GW
PROFESSOR
DEPT OF BIOLOGY
LAKEHEAD UNIVERSITY
THUNDER BAY ONT
P7B 5E1
(807)345-2121

MULTIPLE ORGANIC TOXICITY, BIOACCUMULATION, BIOCONCENTRATION EFFECT ON GROWTH, ETC. USING FLAGFISH AND BROOK-TROUT. CHLORINATED-BENZENES AND CHLORINATED-PHENOLS, ETHYLENES & ETHANES AS CONTAMINANTS.

PAGEAU Y
UNIVERSITE DU QUEBEC A MONTREAL
CP 8888 SUCC A DEPT SCIENCES
DE LA TERRE
MONTREAL QUE
H3C 3P8
(514)282-4037

ECONOMIE DES RESSOURCES MINERALES NON-RENOUVELABLE DONT LES RESSOURCES ENERGETIQUES (CHARBON, PETROLE, GAS ET URANIUM). ENERGIE VERSUS ENVIRONNEMENT (TOUTE ECONOMIE D'ENERGIE SE SOLDE EN AMELIORATION DE L' ENVIRONNEMENT.) PREOCCUPATION CONCERNANT L' ENERGIE NUCLEAIRE.

PALMER C
ALBERTA ENVIRONMENT
EARTH SCIENCES DIVISION
3RD FLOOR COUSINS BUILDING
LETHBRIDGE ALTA
T1J 4B3
(403)329-5322

RESEARCH IS IN THE AREA OF EFFECTS OF ACID-DEPOSITION ON SOILS. SPECIFIC PROJECTS INCLUDE LONG-TERM MONITORING OF SOILS. THE STUDY OF SOIL-BUFFERING PROCESSES AND RESEARCH TO DETERMINE TARGET LOADINGS.

PALMER JHL
FOR RESEARCH IN CONSTRUCTION
GEOTECHNICAL SECTION
MONTREAL ROAD BLDG M20
OTTAWA ONT
K1A OR6
(613)993-1466
053 3145

EXPERTISE IN AVALANCHE HAZARDS & PREDICTION, FROST ACTION, ICE FORCES ON STRUCTURES, ICE PROPERTIES, PERMAFROST ENGINEERING, SLOPE STABILITY, THERMAL REGIME OF SOIL. HEAD, GEOTECHNICAL SECTION.

PALMER MD
GORE & STORRIE LIMITED
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1670 BAYVIEW AVENUE
TORONTO ONT
M4G 3C2
(416)485-7715

WATER-QUALITY STUDIES AND PREDICTION MODELLING; BEACH BACTERIA CONTAMINANT MANAGEMENT STUDIES; OUTFALL AND INTAKE STUDIES AND DESIGN; DISPERSION AND TRANSPORT IN COASTAL REGIONS; HAZARDOUS-CHEMICALS MIXING ZONE PREDICTIONS AND RISK-ASSESSMENT; WATER-QUALITY MANAGEMENT PLANNING MODELS.

PANISSET JC
DEPT DE MEDECINE DU TRAVAIL ET
D'HYGIENE DU MILIEU
UNIVERSITE DE MONTREAL
CP 6128 SUCC A
MONTREAL QUE
H3C 3J7

TOXICOLOGIE INDUSTRIELLE ET AGRICOLE, TOXICITE DE PESTICIDES, MEDICAMENTS VETERINAIRES ANTIBIOTIQUE ET TRANSFERT DE L'ANTIBIO RESISTANCE DE L' ANIMAL A L'HOMME. BIOSECURITE ET BIOTECHNOLOGIES NOUVELLES.

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MONTREAL QUE
H4R 1B7
(514)336-3330
05-824203

PARTICULATE AND GAS FILTRATION SYSTEMS TO ELIMINATE POLLUTANTS SUCH AS CORROSIVE, ODOUROUS AND TOXIC GASES FROM WORK PLACE ENVIRONMENT.

PARASKEVOPOULOS G
DIVISION OF CHEMISTRY
NATIONAL RESEARCH COUNCIL OF CANADA
BUILDING M-12 ROOM 203
OTTAWA ONT
K1A OR9
(613)745-2038
053-3145NRCADMIN

KINETICS AND MECHANISMS OF REACTIONS OF TROPOSPERIC AND STRATOSPHERIC INTEREST.

PARKS FJ
CANADIAN GAS ASSOCIATION
55 SCARSDALE ROAD
DON MILLS ONT
M3B 2R3
(416)447-6465
06966824

NATIONAL TRADE ORGANIZATION (SINCE 1907) INCLUDES CORPORATE & INDIVIDUAL MEMBERS COVERING COMPLETE NATURAL-GAS INDUSTRY SPECTRUM. MEMBERSHIP DRAWN FROM GAS RESOURCE COMPANIES, DISTRIBUTION & TRANSPORTATION COMPANIES & MANUFACTURERS OF GAS APPLIANCES & EQUIPMENT.

PARMELEE JA
BIOSYSTEMATICS RESEARCH CENTRE
CENTRAL EXPERIMENTAL FARM
OTTAWA ONT
K1A OC6
0533283

TAXONOMIC RESEARCH IN PARASITIC FUNGI (RUSTS, SMUTS AND MILDEWS) OF VASCULAR PLANTS. STUDIES INCLUDE REVIEWS ON GEOGRAPHIC DISTRIBUTION AND LIFE-HISTORIES. RELATED WORK INVOLVES CREATION OF THE NATIONAL MYCOLOGICAL HERBARIUM A COLLECTION OF 250,000 DRIED FUNGUS SPECIMENS OF IMPORTANCE TO AGRICULTURE AND FORESTRY.

PATEL GB
ASSISTANT RESEARCH OFFICER
NATIONAL RESEARCH COUNCIL OF CANADA
DIVISION OF BIOLOGICAL SCIENCES
OTTAWA ONT
K1A OR6

ISOLATION, CHARACTERIZATION & STUDY OF THE PHYSIOLOGY OF OBLIGATE-ANAEROBES INVOLVED IN THE BREAKDOWN OF COMPLEX ORGANIC MATTER PRESENT IN ANAEROBIC ECOSYSTEMS (CELLULOLYTIC, SACCHARDLYTIC, METHANOGENIC-BACTERIA). SEWAGE TREATMENT; PULP & PAPER.

PATNI NK
ANIMAL RESEARCH CENTRE
WASTE UTILIZATION PROGRAM
CENTRAL EXPERIMENTAL FARM
OTTAWA ONT
K1A OC6
(613)993-6002
053 3283

AGRICULTURAL AND RELATED WASTES. FARM POLLUTION ABATEMENT.

PAULIN G
DIR DIRECTION DE LA RECHERCHE
MINISTERE DE L'ENVIRONNEMENT
2360 CHEMIN SAINTE-FOY
STE-FOY QUE
G1V 4H2
(418)644-3458
051-31629

INVENTAIRE DE DOXINES & FURANNES. EFFETS SUR LA SANTE. INVENTAIRE SUR LES COMPOSES-ORGANIQUES-VOLATILS; ETUDES SUR LES HYDROCARBURES-POLYNUCLEAIRES-AROMATIQUES. ETUDES SUR LE BRUIT-COMMUNAUTAIRE. EVOLUTION DE LA QUALITE DE L' AIR AU QUEBEC. EFFET DU CHAUFFAGE-AU-BOIS.

PAYMENT P
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INSTITUT ARMAND FRAPPIER
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LAVAL QUE
H7N 4Z3
(514)687-5010

QUALITE MICROBIOLOGIQUE DE L' EAU (BACTERIES, VIRUS, PARASITES); EFFETS SUR LA SANTE; NORMES DE QUALITE-DE-L'EAU.

PEARCE PA
ENVIRONMENT CANADA
CANADIAN WILDLIFE SERVICE
PO BOX 400
FREDERICTON NB
E3B 4Z9
(506)452-3086

IMPACT OF TOXIC-CHEMICALS ON WILDLIFE, WITH PARTICULAR REFERENCE TO EFFECTS OF INSECTICIDE SPRAYING ON FOREST PASSERINES. PESTICIDE ECOLOGY.

PEARSE PH
UNIVERSITY OF BC
FACULTY OF FORESTRY
2357 MAIN MALL
VANCOUVER BC
V6T 1W5
(604)228-3169
04-51233

SPECIALIST IN THE ECONOMICS OF NATURAL-RESOURCES. WRITING RELATED TO GOVERNMENT POLICY ON MANAGEMENT OF RENEWABLE-RESOURCES (IN PARTICULAR, FORESTS, FISHERIES, & WATER-RESOURCES). CONSULTANT ON NATURAL-RESOURCES POLICY TO FOREIGN & CANADIAN GOVERNMENT. PROFESSOR OF FORESTRY; PROJECT LEADER: FOREST ECONOMICS & POLICY ANALYSIS PROJECT. FORMERLY: COMMISSIONER OF TWO MAJOR ROYAL COMMISSIONS OF INQUIRY ON RESOURCE POLICY (BRITISH-COLUMBIA FOREST RESOURCES & PACIFIC FISHERIES); CHAIRMAN OF PUBLIC INQUIRY ON FEDERAL WATER POLICY.

PEARSON RG
PHYTOTOXICOLOGY SECTION
MINISTRY OF THE ENVIRONMENT
880 BAY ST STE 347
TORONTO ONT
M5S 1Z8
(416)965-4516

PRACTICAL RESEARCH & FIELD SURVEYS ON EFFECTS OF AIR-POLLUTANTS ON TERRESTRIAL-ECOSYSTEMS IN ONTARIO.

PELLETIER E
INSTITUT NAT RECHERCHE SCIENTIFIQUE
OCEANOLOGIE
310 DES URSULINES
RIMOUSKI QUE
G5L 3A1
(418)724-1764
051-31623

ECOTOXICOLOGIE MARINE; ETUDE DES INTERACTIONS DES POLLUANTS (METAUX, BPC ET HYDROCARBURES) AVEC LES ORGANISMES MARINS DANS L' ECOSYSTEME COTIER ET LES ESTUAIRES.

PENDERGAST BA
WILDLIFE BRANCH
HABITAT INVENTORY SECTION
780 BLANSHARD STREET
VICTORIA BC
V8W 2H1
(604)387-9768

EVALUATION, CLASSIFICATION & MAPPING OF WILDLIFE HABITAT. DEVELOPMENT OF TECHNIQUES FOR AUTOMATED & MANUAL MAPPING PROCEDURES. DEVELOPMENT OF ECOLOGICAL DATA-COLLECTION TECHNIQUES.

PERCY JA
ARCTIC BIOLOGICAL STATION
555 RUE ST PIERRE
STE ANNE DE BELLEVUE QUE
H9X 3R4
(514)457-3660
05821671

ECOLOGY & PHYSIOLOGY OF ARCTIC MARINE INVERTEBRATES; SHORT AND LONG-TERM RESPONSES TO ENVIRONMENTAL STRESSES, PARTICULARLY THOSE ASSOCIATED WITH SEASONAL OSCILLATIONS IN THE ENVIRONMENT. PHYSIOLOGICAL EFFECTS OF PETROLEUM ON ARCTIC MARINE INVERTEBRATES.

PETERS RH
BIOLOGY DEPT
MCGILL UNIVERSITY
MONTREAL QUE
H3A 1B1
(514)382-4675

STUDIES OF GENERAL PATTERNS IN ECOLOGY & LIMNOLOGY; ESPECIALLY ALLOMETRY & EUTROPHICATION RESEARCH. GOAL IS TO PREDICT & DESCRIBE PRODUCTIVITY, ENERGY & MATERIAL FLOW IN AQUATIC & OTHER COMMUNITIES. TREATING FILTER FEEDING BY ZOOPLANKTON & ANALYSIS OF LITERATURE DATA. CRITICAL ANALYSIS OF ECOLOGICAL CONCENTRATION.

PETERS TH
T H PETERS CONSULTING
31 SCHOOL ST PO BOX 607
COPPER CLIFF ONT
POM 1NO
(705)682-1185

UTILIZATION OF WASTE HEAT FOR FOOD & FOREST TREE-SEEDLING PRODUCTION.

PETERSON RH
DEPT FISHERIES AND OCEANS
FISHERIES & ENVIRONMENTAL SCIENCES
ST ANDREWS NB
EOG 2XO
(506)529-8854

PHYSIOLOGICAL RESPONSES OF EARLY LIFE STAGES OF FISH TO LOW PH & ASSOCIATED TOXIC METALS; STRESSING INTERFERENCE WITH HATCHING, ION ACCUMULATION & AVOIDANCE. MONITORING OF LATE RESPONSES TO PH CHANGE.

PETROLEUM ASSOC FOR CONSERVATION
OF THE CANADIAN ENVIRONMENT PACE
1202 275 SLATER ST
OTTAWA ONT
K1P 5H9

TO PROMOTE, WITHIN THE CANADIAN PETROLEUM INDUSTRY DEVELOPMENT AND APPLICATION OF THE PRINCIPLES AND SCIENCE OF ENVIRONMENTAL CONSERVATION, INCLUDING ENVIRONMENTAL-PROTECTION, OCCUPATIONAL-HEALTH AND SAFETY, PRODUCT TOXICITY AND ENERGY-CONSERVATION AS RELATED TO ENVIRONMENTAL-PROTECTION.

PHAN CT
UNIVERSITE DE MONTREAL
DEPT SCIENCES BIOLOGIQUES
CP 6128 SUCCURSALE A
MONTREAL QUE
H3C 3J7
(514)343-7239

INFLUENCE DE L' ENVIRONNEMENT, SURTOUT GAZEUX (PRODUITS) NATURELS DES PLANTES OU POLLUANTS), SUR LA CROISSANCE, LE DEVELOPPEMENT ET LE METABOLISME DES PLANTES.

PHILLIPS SF
DEPT OF ENVIRONMENT & WPS&H
ENVIRONMENTAL MANAGEMENT SERVICES
BLDG 2-139 TUXEDO AVE
WINNIPEG MAN
R3N OH6
(204)945-7003

VEGETATION & SOIL STUDIES TO DETERMINE DEGREE & EXTENT OF ENVIRONMENTAL-CONTAMINATION & EFFECTS ON TERRESTRIAL-ECOSYSTEMS. DIRECT & INDIRECT EFFECTS OF HEAVY-METALS & SULPHUR-DIOXIDE FROM NON-FERROUS METAL SMELTERS ON BOREAL-FOREST ECOSYSTEMS; MONITOR LRTAPS, WOOD PRESERVATIVE CHEMICALS.

PHILOGENE BJR
UNIVERSITY OF OTTAWA
FACULTY OF SCIENCE BIOLOGY
30 SOMERSET E
OTTAWA ONT
K1N 6N5
(613)564-2047
OJ3 3338

LUTTE CONTRE LES INSECTES. UTILISATION DES PESTICIDES ET LEUR IMPACT; LUTTE INTEGREE.

PIENING L
PLANT PATHOLOGIST
RESEARCH BRANCH
AGRICULTURE CANADA
LACOMBE ALTA
TOC 1SO

CHEMICAL AND BIOLOGICAL CONTROL OF CEREAL DISEASES. BACTERIAL DISEASES OF WHEAT.

PILON PJ
WATER RESOURCES BR HYDROLOGY DIV
ENVIRONMENT CANADA
PLACE VINCENT MASSEY
OTTAWA ONT
K1A OH3
(819)953-1547

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PIMENTA JA
ONTARIO MINISTRY OF THE ENVIRONMENT
LABORATORY SERVICES BRANCH
125 RESOURCES ROAD
REXDALE ONT
M9W 5L1
(416)248-3346

SAMPLING & ANALYSIS OF INDUSTRIAL & DOMESTIC WASTE & LANDFILL MATERIALS FOR HAZARDOUS INORGANIC COMPONENTS. WASTE CHARACTERIZATION & CLASSIFICATION FOR REGULATORY PURPOSES.

PINDER KL
PROFESSOR
CHEMICAL ENGINEERING DEPT
UNIVERSITY OF B C
VANCOUVER BC
V6T 1W5
(604)228-9606

ANAEROBIC FERMENTATION OF HIGH BOD FOOD-WASTES. RECOVERY OF CHEMICALS FROM CHLORINE-DIOXIDE BLEACH EFFLUENTS. AUTOCAUSTICIZING OF KRAFT LIQUORS TO ELIMINATE RECAUSTICIZING EFFLUENT.

PINEL-ALLOUL B
SCIENCES BIOLOGIQUES
UNIVERSITE DE MONTREAL
CP 6128
MONTREAL QUE
H3C 3J7
(514)487-7173

ECOLOGIE-AQUATIQUE; ZOOPLANCTON; INTERACTIONS TROPHIQUES. PHYTOZOOPLANCTON. ECOTOXICOLOGIE: EFFETS DES METAUX-LOURDS ET DES POLLUANTS ASSOCIE AUX SEDIMENTS SUR LE ZOOPLANCTON. ENVIRONNEMENT: EFFETS DE LA MISE EN EAU DES RESERVOIRS NORDIQUES SUR LE ZOOPLANCTON.

PINSONNAULT J
CIP RESEARCH LTD
179 MAIN STREET WEST
HAWKESBURY ONT
K6A 2H4
(613)632-4121

AIR-POLLUTION MONITORING & CONTROL MOSTLY IN THE AREAS OF SULPHUR-DIOXIDE REDUCED SULPHUR COMPOUNDS & PARTICULATE FROM PULP & PAPER MILLS.

PITEL JA
AGRICULTURE CANADA
CANADIAN FORESTRY SERVICE
PETAWAWA NATIONAL FORESTRY SERVICES
CHALK RIVER ONT
KOJ 1JO
(613)589-2880

PHYSIOLOGY & BIOCHEMISTRY OF SEED GERMINATION. SEED DORMANCY & SEED STORAGE PROBLEMS OF FOREST TREE SPECIES. STUDIES ON DNA: STRUCTURE & FUNCTION OF ORGANELLAR & NUCLEAR DNA. DNA CLONING. SEQUENCING ETC.

PLAMONDON AP
UNIVERSITE LAVAL
FACULTE DE FORESTERIE & DE GEODESIE
CITE UNIVERSITAIRE
QUEBEC QUE
G1K 7P4
(418)656-2116

EVALUATION-DES-IMPACTS DES OPERATIONS FORESTIERES SUR LE REGIME ET LA QUALITE-DE-L'EAU. RESTAURATION DES BASSINS HYDROGRAPHIQUES DETERIORES PAR L' EROSION EN MILIEUX HUMIDES. SEC OU MONTAGNEUX.

PLATFORD RF
CANADA CENTRE FOR INLAND WATERS
BOX 5050
LAKESHORE ROAD
BURLINGTON ONT
L7R 4A6

LOW LEVEL RADIOACTIVITY MEASUREMENTS OF URANIUM DAUGHTER PRODUCTS & FALLOUT FROM BOMB TESTS.

POIRIER L
DIR DE LA RECHERCHE SCIEN ET TECH
DIR GENERALE DES PECHES MARITIMES
96 MONTEE SANDY BEACH CP 107[illegible]
GASPE QUE
GOC 1RO

ANALYSE D'IMPACT DE PROJETS DE DEVELOPPEMENT; ANALYSE DU MILIEU POUR LE DEVELOPPEMENT DE L' AQUICULTURE; ETUDES DE POTENTIEL D' EXPLOITATION DE STOCKS-AQUATIQUES.

POLAND JS
CHEMISTRY DEPT
QUEEN'S UNIVERSITY
KINGSTON ONT
K7L 3N6

ANALYSIS OF TRACE-METALS AND TOXIC ORGANIC-COMPOUNDS IN THE ENVIRONMENT. ENVIRONMENTAL-HEALTH AND SAFETY AND RELATIONSHIPS BETWEEN TRACE-ELEMENTS AND HEALTH AND NUTRITION.

POLLETT FC
PETAWAWA NATIONAL FORESTRY INST
AGRICULTURE CANADA
CHALK RIVER ONT
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EXECUTIVE DIRECTOR OF INSTITUTE WHICH UNDERTAKES RESEARCH IN FOREST FIRE AND REMOTE-SENSING. FOREST STATISTICS AND SYSTEMS ANALYSIS. INTENSIVE FOREST-MANAGEMENT AND PUBLIC-AWARENESS PROGRAMS.

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MONITORING & SURVEYS DIV
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MONCTON NB
E1C 8N6
(506)857-6606

OPERATION OF A MONITORING AND SURVEY SERVICE ON THE AQUATIC ENVIRONMENT IN ATLANTIC CANADA. THIS INCLUDES EFFECTS OF LRTAP AND TOXIC-CHEMICALS, AS DEFINED BY ENVIRONMENT CANADA, ON SURFACE-WATERS, LAKE AND RIVER SEDIMENTS AND BIOTA.

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FOREST RESEARCH AND MANAGEMENT SPECIALIZING IN PRIVATE LAND. POLICY. SILVICULTURE. REFORESTATION. REVEGETATION. FOREST INVENTORY. GROWTH STUDIES.

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PRAKASH A ENVIRONMENT CANADA CONSERVATION AND PROTECTION PLACE VINCENT MASSEY OTTAWA ONT K1A OH3 (819)997-2343	MARINE POLLUTION. COASTAL ZONE MANAGEMENT. COASTAL AQUACULTURE. SHELLFISH. MARINE PRODUCTIVITY. RED-TIDES. SHELLFISH POISONING. ENVIRONMENTAL-QUALITY. ECOLOGY. ENVIRONMENTAL-IMPACT-ASSESSMENT MARINE PHYTOPLANKTON. TOXICITY. PHYSIOLOGY. DINOFLAGELLATES.
PRASAD R DEPT OF AGRICULTURE CANADIAN FORESTRY SERVICE FOREST PEST MANAGEMENT INSTITUTE PO BOX 490 SAULT STE MARIE ONT P6A 5M7	EXPERTISE IN: PESTICIDES FOR PROTECTION AND REGENERATION OF CANADIAN FOREST; HERBICIDES FOR FOREST RENEWAL AND IN STUDYING THE FATE OF HERBICIDES IN FOREST ENVIRONMENT; HERBICIDES FOR CONTROL OF MACROPHYTES.
PREE DJ AGRICULTURE CANADA RESEARCH STATION VINELAND ONT LOR 1SO (416)562-4113	INSECTICIDE RESISTANCE & MANAGEMENT STUDIES WITH TREE FRUIT INSECTS.
PREVOST C CENTRE CANADIEN DE TELEDETECTION ENERGIE MINES ET RESSOURCES 717 BELFAST OTTAWA ONT OTTAWA ONT K1A OY7 (613)993-9869 053-3777	LA TELEDETECTION: L' AGRICULTURE ET LA TELEDETECTION (APPLICATION EN AFRIQUE). SURVEILLANCE DES RESSOURCES EN EAU SAHEL PAR TELEDETECTION.
PRICE I CANADIAN WILDLIFE SERVICE ENVIRONMENT CANADA OTTAWA ONT K1A OH3	COORDINATING CANADIAN WILDLIFE SERVICE PROGRAM OF CONTACT WITH LATIN-AMERICAN WILDLIFE AGENCIES: ORNITHOLOGY: RAPTORS. LOONS. HERONS. NON-GAME PROGRAM COORDINATOR FOR CANADIAN WILDLIFE SERVICE.
PROKOPUK R ENERGY MINES AND RESOURCES CANADA ENERGY TECHNOLOGY ENERGY RES LAB 555 BOOTH ST OTTAWA ONT K1A OG1 (613)996-4570 0533117	FOSSIL FUELS FOR HEATING. POWER GENERATION AND PROCESS APPLICATIONS: ENVIRONMENTAL-ASSESSMENT: AIR. WATER AND SOIL POLLUTION FROM STATIONARY AND MOBILE SOURCES: ANALYTICAL LABORATORY TECHNIQUES.
PROTZ R UNIVERSITY OF GUELPH LAND RESOURCE SCIENCE GUELPH ONT N1G 2W1 (519)824-4120	SOIL GENESIS & CLASSIFICATION. SOIL FORMATION IN THE HUDSON & JAMES-BAY LOWLANDS. REMOTE-SENSING APPLICATIONS TO SOILS & AGRICULTURE. SOIL BIOLOGY & MICROPEDOLOGY.
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QUARSHIE E
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9820 06 STREET 6TH FLOOR
EDMONTON ALTA
T5K 2J6
(403)427-5828
037-2006

QUALITY CONTROL & QUALITY ASSURANCE FOR LABORATORY MEASUREMENTS & INDUSTRIAL-EFFLUENTS MONITORING PROGRAMS. HELP INDUSTRIES SET UP QUALITY CONTROL PROGRAMS FOR SAMPLING & ANALYSIS.

QUIGLEY RM
GEOTECHNICAL RESEARCH CENTRE
FACULTY OF ENGINEERING SCIENCE
THE UNIVERSITY OF WESTERN ONTARIO
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(519)661-3344
064-7134

MIGRATION OF SOLUBLE SALTS THROUGH CLAY BARRIERS BY DIFFUSION FIELD STUDIES. CLAY MINERALOGY AND SOIL-CHEMISTRY APPLIED TO ENGINEERING PROBLEMS OF SOIL AND ROCK; GEOTECHNICAL ENGINEERING.

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ALBERTA ENVIRONMENTAL CENTRE
WEED SCIENCE GROUP HEAD
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037-42783

PLANT PHYSIOLOGY. MODE OF ACTION OF HERBICIDES. ENVIRONMENTAL FACTORS AND PERFORMANCE OF HERBICIDES. CHEMICAL WEED CONTROL IN CEREALS AND OILSEED CROPS. EXTENSION AND ADVISORY SERVICE IN WEED CONTROL AND HERBICIDE DAMAGE DIAGNOSTIC.

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PLANT INDUSTRY SERVICES BRANCH
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CHARLOTTETOWN PEI
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(902)892-5465
014 44154 PEIGOVI

MONITORING OF SOIL & WATER-CONTAMINATION RESULTING FROM AGRICULTURE BASED ACTIVITIES.

RAISTRICK TN
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ENVIRONMENTAL IMPACT SYSTEMS DIV
PLACE VINCENT MASSEY 15F
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REVIEW OF ENVIRONMENT CANADA'S ENVIRONMENTAL BASELINE INFORMATION SOURCES. NATIONAL INVENTORY OF BIOLOGICAL EFFECTS MONITORING PROGRAMS. ENVIRONMENTAL-IMPACT OF RESOURCE ROAD DEVELOPMENT. ENVIRONMENTAL-ASSESSMENT METHODS.

RAJU MVS
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RESEARCH INTERESTS HAVE BEEN THE STUDIES ON VARIOUS ASPECTS OF ANATOMY AND MORPHOLOGY OF VASCULAR PLANTS OF THE PRAIRIES. MORPHOLOGICAL STUDIES INCLUDE LIFE-HISTORIES OF PLANTS, ESPECIALLY OF SOME SELECTED PRAIRIE WEED SPECIES, SUCH AS LEAFY-SPURGE (EUPHORBIA-ESULA-L.), WILD OATS (AVENA-FATUA-L.), ETC.

RAMALHO RS
UNIVERSITE LAVAL
DEPARTEMENT DE GENIE CHIMIQUE
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051-31621

WASTEWATER-TREATMENT PROCESSES. REMOVAL OF TOXIC ELEMENTS OR COMPOUNDS FROM WASTEWATERS BY ADSORPTION PROCESSES. ANAEROBIC-WASTEWATER-TREATMENT OF HIGH BOD BY UPFLOW ANAEROBIC SLUDGE-BLANKET REACTORS.

RANDALL DJ
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6270 UNIVERSITY BOULEVARD
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CARBON-DIOXIDE & OXYGEN TRANSFER & ACID-BASE REGULATION IN FISH & AMPHIBIA. INTERACTIONS BETWEEN AMMONIA, CARBON-DIOXIDE & ION MOVEMENT ACROSS FISH GILLS. STUDIES ON FISH & AMPHIBIAN ERYTHROCYTE INTRACELLULAR PH REGULATION.

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867 LAKESHORE ROAD
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MICROBIOLOGICAL WATER-QUALITY OF GREAT LAKES & ACID-STRESSED LAKES. MICROBIAL BIODEGRADATION. MICROBIAL TOXICITY SCREENING. MICROBIOLOGY OF SEWAGE. INDUSTRIAL-WASTES. MICROBES & ENVIRONMENTAL STRESS. DIAGNOSTIC ENTERIC BACTERIOLOGY. TOXIC METAL, MICROBES ASSOCIATION. ACTIVATED SLUDGE & VITAMIN B12.

READ DC SENIOR RESEARCH SCIENTIST AGRICULTURE CANADA RESEARCH STATION P O BOX 1210 CHARLOTTETOWN PEI C1A 7M8 (902)892-5461	PERSISTENCE OF PESTICIDES IN SOIL. RESISTANCE OF INSECTS TO INSECTICIDES AND MICROBIAL DEGRADATION OF PESTICIDES IN SOIL AND WATER.
REDMANN RE DEPT CROP SCIENCE & PLANT ECOLOGY UNIVERSITY OF SASKATCHEWAN SASKATOON SASK S7N OWO (306)966-4954	PHYSIOLOGICAL PLANT ECOLOGY, GRASSLAND ECOLOGY, POLLUTION EFFECTS ON PLANTS, ESPECIALLY AIRBORNE SALTS AND ACIDITY, DROUGHT STRESS EFFECTS, PLANT WATER RELATIONS, CARBON-DIOXIDE EXCHANGE IN PLANTS.
REED A CANADIAN WILDLIFE SERVICE DEPT OF THE ENVIRONMENT 1141 ROUTE DE L'EGLISE STE-FOY QUE G1V 4H5 (418)648-3914	RESEARCH ON ECOLOGY OF MIGRATORY-BIRDS AND THEIR HABITATS, PRINCIPALLY WATERFOWL AND OTHER AQUATIC SPECIES.
REES HW SOIL SURVEYOR AGRICULTURE CANADA PO BOX 20280 FREDERICTON NB E3B 4Z7	LAND RESOURCE INVENTORIES IN NEW-BRUNSWICK. IDENTIFICATION, DESCRIPTION & DELINEATION ON MAPS OF CONTRASTING SEGMENTS OF THE LANDSCAPE BASED ON DIFFERENTIATING CRITERIA AS REQUIRED FOR VARIOUS LAND USES.
REID JR ENVIRONMENT CANADA LANDS DIRECTORATE 20TH FL 351 ST JOSEPH BLVD (PVM) OTTAWA ONT K1A OH3 (819)953-1443	LAND-USE INFORMATION SERIES OF MAPS COVERS NORTHWEST-TERRITORIES & YUKON EXCLUDING NORTHERN HIGH ARCTIC. INFORMATION PROVIDED IN TEXT & MAP FORM INCLUDES WIDE RANGE OF ENVIRONMENTAL & SOCIAL TOPICS.
REID KW POTASH CORP OF SASKATCHEWAN ENVIRONMENTAL AFFAIRS 122 1ST AVE SOUTH SASKATOON SASK S7K 7G3 (306)933-8542 074-2699	MANAGEMENT, BEHAVIOUR & ENVIRONMENTAL-IMPACT OF POTASH MINING WASTES. MEASUREMENT & CONTROL OF THE WORK ENVIRONMENT IN POTASH MINING.
REID RH MINISTRY OF ENVIRONMENT SURVEYS & RESOURCE MAPPING BRANCH 553 SUPERIOR STREET VICTORIA BC V8V 1X5 (604)387-9306	MAPPING TECHNICIAN SPECIALIZING IN THE CANADA LAND INVENTORY PROGRAM SOIL, TERRAIN, WILDLIFE, VEGETATION & OTHER RESOURCE MAPPING.
RENNIE PJ CANADIAN FORESTRY SERVICE AGRICULTURE CANADA OTTAWA ONT K1A OH3	PRODUCTIVITY OF TERRESTRIAL-ECOSYSTEMS, ESPECIALLY NORTHERN BOREAL-FOREST ENVIRONMENTS IN RELATION TO SOIL NUTRITIONAL-STATUS, CLIMATIC CHARACTERISTICS AND PERTURBATION-EFFECTS. PARTICULAR INTERESTS INCLUDE MINERAL CYCLING, FOREST FERTILIZATION AND AIRBORNE POLLUTANT EFFECTS ON SOILS AND VEGETATION.
RETNAKARAN A FOREST PEST MANAGEMENT INSTITUTE CANADIAN FORESTRY SERVICE 1219 QUEEN STREET EAST SAULT STE MARIE ONT P6A 5M7	INSECT PHYSIOLOGY: GROWTH & DEVELOPMENT (INSECT HORMONES & INSECT GROWTH REGULATORS). DEVELOPMENT OF HORMONE ANALOGS, MOULT INHIBITORS & CHITIN SYNTHESIS INHIBITORS AS CONTROL AGENTS FOR FOREST-INSECT PESTS. STUDY OF CHITIN SYNTHESIS & BIOCHEMISTRY OF THE SYNTAETIC STEPS. ELECTRON MICROSCOPY, AUTORADIOGRAPHY & CELLULAR LOCALIZATION OF THE CHITIN SYNTHESIS PROCESS.

REYES AA
AGRICULTURE CANADA RESEARCH STATION
VINELAND STATION ONT
LOR 2EO

SOIL MICROBIOLOGY, ESPECIALLY FUNGI CAUSING ROOT ROTS AND WILTS OF VEGETABLES. MY CONCERN IS TO AVOID THE USE OF CHEMICALS FOR THEIR CONTROL. RESEARCH ALSO ON STORAGE PATHOLOGY OF VEGETABLES, E.G. PREVENTION OF SOFT ROTS BY SUPPLYING STORAGE CHAMBERS WITH DIFFERENT COMBINATIONS OF GASES.

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USE OF OLIGOCHAETA AS INDICATORS OF TOXIC CONTAMINANT STRESS. THIS INVOLVES EXAMINATION OF INDIVIDUAL SPECIMENS FOR THE PRESENCE OF CHAETAL-DEFORMITIES. IDENTIFICATION OF THE ROLE OF TEMPERATURE & OXYGEN IN THE POPULATION-DYNAMICS OF OLIGOCHAETA IN LAKE ERIE.

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PLANNING, COORDINATING AND CONDUCTING A PROGRAM OF LARGELY DIVERSE STUDIES RELATED TO WATER-RESOURCES POLICY STRATEGIES AND MANAGEMENT INTERFACES WITH FOOD, FIBRE, ENERGY AND MINERALS DEVELOPMENT OF WATER-USE ANALYSIS MODELS. CONDUCTING NATIONAL WATER-USE SURVEYS. EVALUATION OF THE VALUE OF WATER-RESOURCES SYSTEMS.

RICHARDSON J
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SCIENTIFIC ADVICE IN CANADIAN FORESTRY SERVICE RESEARCH IN THE FIELD OF FOREST PRODUCTIVITY, INCLUDING FOREST INVENTORY, GROWTH & YIELD, REMOTE-SENSING, THINNING, FERTILIZATION, MODELLING & IN FOREST BIOMASS PRODUCTION.

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CHAIRMAN, UNIVERSITY OF NEW-BRUNSWICK, DEPT. OF BIOLOGY: ZOOLOGY, MICROBIOLOGY, BOTANY.

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ECOLOGY AND PHYSIOLOGY OF OVERWINTERING BIOLOGY IN ARCTIC AND ALPINE-INSECTS. ECOLOGY OF INTERTIDAL INSECTS. USE OF PHEROMONES IN INSECT-CONTROL.

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ALBERTA ENVIRONMENT
GROUNDWATER PROTECTION BRANCH
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HYDROLOGICAL SITE INVESTIGATIONS FOR DEVELOPMENT OF MUNICIPAL SOLID-WASTE DISPOSAL SITES.

RITCEY GM
CANMET
DEPT ENERGY MINES & RESOURCES
555 BOOTH
OTTAWA ONT
K1A OG1
(613)995-4124

PROCESS OF URANIUM AND BASE-METAL ORES WHERE THE ENVIRONMENTAL CONSIDERATIONS OF TAILINGS EFFLUENTS WERE CONSIDERED. RECENTLY DEVOTED TO URANIUM AND SULPHIDE TAILINGS, TO PREDICT THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH THE TAILINGS WITH TIME. MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK WILL BE EXTENDED TO MATERIALS TO INHIBIT OXIDATION.

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CENTRE FORESTERIE DES LAURENTIDES
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FOREST SOIL-FERTILITY AND MICROBIOLOGY AND FOREST-MANAGEMENT AND SILVICULTURE.

ROBERTSON DG
NATIONAL WATER RESEARCH INSTITUTE
AQUATIC PHYSICS AND SYSTEMS DIV
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L7R 4A6
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CONVERSION, ANALYSIS & DISPLAY OF COMPUTER FILES OF A VARIETY OF PHYSICAL LIMNOLOGY PARAMETERS.

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DEPT RENEWABLE RESOURCES
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POLICY ADVISOR TO MINISTRY OF NORTHERN DEVELOPMENT AND MINES ON MATTERS RELATING TO URANIUM, EXPLORATION, MINING RESERVES/RESOURCES, TAILINGS AND WASTE-DISPOSAL. GEOLOGY OF URANIUM DEPOSITS.

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DETECTION AND IDENTIFICATION OF INDICATOR AND PATHOGENIC MICROORGANISMS IN FRESH AND MARINE WATERS. FERMENTATION OF CROP AND WOOD WASTES TO PRODUCE RUMINANT FEEDS. UTILIZATION OF MYCORRHIZAL FUNGI TO INCREASE CROP PRODUCTIVITIES.

ROBEY HL
BIO AND CHEM ENGINEERING
ONTARIO RESEARCH
SHERIDAN PARK
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INDUSTRIAL LIQUID AND SOLID WASTE-TREATMENT AND RECOVERY. WET AIR OXIDATION AND HIGH TEMPERATURE & PRESSURE CYANIDE HYDROLYSIS PROCESS APPLICATIONS RESEARCH. PROCESS DESIGN AND START-UP OF FULL SCALE SYSTEMS.

ROBINSON JE
UNIVERSITY OF WATERLOO
ENVIRONMENT AND RESOURCE STUDIES
WATERLOO ONT
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069-55259

TECHNICAL ECONOMIC & POLICY RESEARCH ON WATER-DEMAND MANAGEMENT & ON INTEGRATING SUPPLY & DEMAND MANAGEMENT OF WATER & WASTEWATER-TREATMENT AT LOCAL, REGIONAL & NATIONAL LEVELS.

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EFFECTS OF PRIMARY & SECONDARY AIR-POLLUTANTS INCLUDING ACID-RAIN ON FORESTS, SOILS, LICHENS & MOSSES; NUTRIENT CYCLING IN FOREST-ECOSYSTEMS; BIOGEOCHEMICAL CYCLES; BIOMONITORING; TREE-RING ANALYSIS IN RELATION TO POLLUTION.

RODGERS PG
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OTTAWA ONT
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REPORTING ON THE STATE OF THE CANADIAN ENVIRONMENT.

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BROAD EXPERTISE IN AQUATIC SCIENCES, MARINE, ESTUARINE, FRESHWATER AND STREAMS, ECOSYSTEMS, ARCTIC CHEMICAL AND BIOLOGICAL OCEANOGRAPHY.

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DIRECTOR POLLUTION CONTROL
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MONITORING OF RAIN PH FOR THE TOBACCO REGION OF SOUTHWESTERN ONTARIO TO ESTABLISH A REFERENCE POINT FOR CONTINUED MEASURE OF CHANGES AND EFFECTS UPON CROP PRODUCTION.

ROSEHART RG
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WATER-POLLUTION CONTROL IN PULP-AND-PAPER AND MINING INDUSTRY. (COLOUR REMOVAL, TOXICITY REDUCTION AND PROCESS CHANGE). PUBLIC CONSULTATION. GOVERNMENT POLICY FORMULATION.

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FRESHWATER INSTITUTE
FISHERIES AND OCEANS CANADA
501 UNIVERSITY CR
WINNIPEG MAN
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(204)949-5253
07 57-419

DESIGN OF ENVIRONMENTAL-IMPACT STUDIES; EFFECTS OF ENVIRONMENTAL DISTURBANCES ON MACROBENTHIC INVERTEBRATES; SAMPLING METHODS & DESIGN OF SAMPLING PROGRAMS FOR MACROBENTHOS; ECOLOGY OF CHIRONOMIDAE; AQUATIC INSECTS OF FRESHWATER WETLANDS.

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IMPACT OF HERBICIDES AND OTHER PESTICIDES ON SOIL MICROFLORA IN RELATION TO BASIC SOIL PHYSIOLOGICAL PROCESSES, INCLUDING NITROGEN FIXATION, SOIL FERTILITY, PESTICIDE ACCUMULATION, RESIDUE FORMATION AND EFFECTS OF VARIOUS AMENDMENTS, INCLUDING BIOTIC ON ITS BREAKDOWN.

ROSS G
DIR SILVICULTURE AND RESEARCH
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CORNER BROOK NFLD
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INTERACTION OF CLIMATE & SEA ICE IN HUDSON & JAMES BAYS. MODELLING CLIMATIC, HYDROLOGIC & VEGETATIONAL RELATIONS IN THE COASTAL SALT MARSHES. PREDICTING THE ENVIRONMENTAL-IMPACT OF RIVER DAMS & DIVERSION & CLIMATIC MODIFICATION IN JAMES-BAY & HUDSON BAY.

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ST-LAURENT CHENARD ET ASSOCIES
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ROUSSEAU C
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MODELLING CONTAMINANT MIGRATION THROUGH SOILS WITH PARTICULAR EMPHASIS ON CLAY LINERS. DEVELOPMENT OF TECHNIQUES FOR DETERMINATION OF APPROPRIATE SOIL LEACHATE PARAMETERS.

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ROY RM
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MONTREAL QUE
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MODIFICATION OF DAMAGE & RECOVERY FOLLOWING IRRADIATION BY PHARMACOLOGICAL DOSES OF D-TOCOPHEROL IN MAMMALS. PARAMETERS INVESTIGATED INCLUDE SURVIVAL OF REAMATOPOIETIC-STEM-CELLS, PERIPHERAL BLOOD DIFFERENTIAL COUNTS, HUMORAL-IMMUNE RESPONSE & LYMPHOCYTE PROLIFERATION.

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ENVIRONMENTAL CHEMICAL ENHANCERS OF VIRUS INFECTIONS PUBLIC-HEALTH AND ENVIRONMENTAL CHEMICALS. EPIDEMIOLOGY OF VIRUS INFECTIONS IN NORTHERN CLIMATES.

RUBEC CDA
LANDS DIRECTORATE
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ENVIRONMENT CANADA
OTTAWA ONT
K1A OH3
(819)953-1447

EFFECTS OF ACID-PRECIPITATION & ECOSYSTEMS AT RISK. ASSESSMENT OF RESOURCES AT RISK TO ACID-RAIN. WETLANDS & LAND CONSERVATION. LAND USE MONITORING. ECOLOGICAL LAND SURVEY. NORTHERN ECOLOGY.

RUEL M
HEAD ENVIRONMENTAL PROTECTION BR
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TOWER B 355 RIVER ROAD
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DIRECTOR-GENERAL OF ENVIRONMENTAL PROTECTION BRANCH, ARM OF REGULATORY AGENCY, CANADA OIL AND GAS LANDS ADMINISTRATION. ENSURES ADEQUATE ATTENTION IS BEING PAID TO ENVIRONMENTAL FACTORS REGARDING OIL AND GAS EXPLORATION, DEVELOPMENT AND DIRECT STUDIES TO ACHIEVE THIS GOAL.

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RUNECKLES VC
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RYAN PM
DEPT OF FISHERIES & OCEANS
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STUDY OF AQUATIC-ECOSYSTEMS, THEIR PRODUCTIVITY AND THEIR FISHERIES. COMMUNITY PRODUCTION AND INTERACTIONS AMONG COMMUNITY COMPONENTS IN FRESHWATER SYSTEMS. BIOTIC INDICES OF ECOSYSTEM QUALITY.

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REXDALE ONT
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DEVELOPMENT OF MONOCLONAL ACTIVITIES FOR DIAGNOSTIC FITS. DEVELOPMENT OF METHODOLOGIES FOR THE DETECTION OF TRACE AMOUNTS OF ORGANIC & INORGANIC SUBSTANCES.

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SCIENTIFIC ADVISOR TO FEARO AND THE SECRETARIAT OF ENVIRONMENTAL-ASSESSMENT PANELS. MEMBER FEARO RESEARCH MANAGEMENT TEAM. MANAGER OF CANADIAN ENVIRONMENTAL-ASSESSMENT RESEARCH COUNCIL (CEARC) SECRETARIAT. RESEARCH INTERESTS INCLUDE SOCIAL IMPACT, CUMULATIVE IMPACTS, MONITORING, POST-AUDIT AND RISK-ASSESSMENT.

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506 W BURNSIDE ROAD
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CONDUCT STUDIES OF THE MANAGEMENT & POPULATION-DYNAMICS OF DESTRUCTIVE BARK BEETLES IN CONIFEROUS FORESTS. DEVELOP TECHNIQUES & MANAGEMENT GUIDELINES FOR PREVENTING & REDUCING LOSSES FROM DESTRUCTIVE BARK BEETLES.

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05-267509

GAS TURBINE COMBUSTION AND EMISSIONS. RESEARCH AND DEVELOPMENT OF SIMPLE AUTOMOBILE GAS TURBINE COMBUSTORS FOR LOW EMISSIONS. DESIGNING SMALL GAS TURBINE ENGINES FOR LOW NOISE AND CLEAN EXHAUST. ATMOSPHERIC TEST OF A VARIABLE GEOMETRY COMBUSTION FOR LOW EMISSIONS. EMISSIONS RESEARCH ON A SIMPLE VARIABLE GEOMETRY GAS TURBINE COMBUSTOR.

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VEGETATION AND SITE-CLASSIFICATION OF BOREAL-FORESTS. SUBARCTIC WETLAND AND ARCTIC TUNDRA AREAS. FOREST-ECOSYSTEM CLASSIFICATION OF BOREAL NORTHERN ONTARIO. REMOTE-SENSING FOR VEGETATION STUDY; MAPPING AND INVENTORY (USING SATELLITE AND AERIAL-PHOTO DATA).

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CENTRE FOR BUILDING SCIENCE
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STUDY OF BUILDING MATERIALS, COMPONENTS, DETAILS & CONSTRUCTION METHODS WITH RESPECT TO MAINTENANCE OF INTERIOR TEMPERATURE & MOISTURE LEVELS & AVOIDANCE OF DETRIMENTAL BIOLOGICAL & CHEMICAL ACTIVITY, AGING & ENVIRONMENTALLY INDUCED DISTRESS IN BUILDINGS.

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MONITORING AND CRITERIA DIVISION
ENVIRONMENTAL HEALTH DIRECTORATE
HEALTH AND WELFARE CANADA
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CONTAMINANTS IN DRINKING-WATER. CONTAMINANTS IN INDOOR-AIR. HAZARD EVALUATION. ASBESTOS. GUIDELINES FOR HUMAN EXPOSURE.

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EARTH SCIENCES DIVISION
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EVALUATION OF REGIONAL AQUIFERS IN ALBERTA, BY MAPS & CROSS SECTIONS USING EXISTING WELL & TESTHOLE DATA. DETERMINATION OF BASE OF GROUNDWATER PROTECTION, FRESHWATER, SALINE WATER BOUNDARY.

TOMKINS DJ
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OCCUPATIONAL AND ENVIRONMENTAL GENETIC TOXICOLOGY DEVELOPMENT OF SEVERAL GENETIC MEASURES INCLUDING CYTOGENETIC AND SINGLE GENE MUTATION; ASSESSMENT OF MEASURES FOR POPULATION MONITORING.

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SURFACE WATER-QUALITY OF PRAIRIE RIVERS & RESERVOIRS; IMPACT OF MINING ESPECIALLY URANIUM MINING ON AQUATIC SYSTEMS; DEVELOPMENT OF WATER-QUALITY OBJECTIVES.

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DOMTAR RESEARCH
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METHOD DEVELOPMENT FOR MEASUREMENT OF ATMOSPHERIC-POLLUTANTS. SOURCE TESTING FOR STACK GAS & PARTICULATE EMISSIONS. DESIGN AND SELECTION OF EQUIPMENT FOR AIR-POLLUTION ABATEMENT. MANAGEMENT OF PCB WASTES.

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ASSESSMENT OF DOSES & HEALTH EFFECTS OF ENVIRONMENTAL RADIATION. FOOD CHAIN TRANSFER OF RADIONUCLIDES. ATMOSPHERIC DISPERSION OF RADIONUCLIDES. HUMAN METABOLISM OF RADIONUCLIDES.

TRENHOLM HL
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ANIMAL RESEARCH CENTRE
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TOXICOLOGY OF MYCOTOXINS IN ANIMAL FEEDS FOR LIVESTOCK AND POULTRY. METABOLISM OF MYCOTOXINS. DETOXIFICATION OF NATURAL CONTAMINANTS & TOXIC RESIDUES IN ANIMAL PRODUCTS.

TREW DO
ALBERTA ENVIRONMENT
WATER QUALITY CONTROL BRANCH
9820 106 STREET
EDMONTON ALTA
TOE 2CO
(403)427-5828

SURFACE-WATER QUALITY MANAGEMENT IN ALBERTA. LOCALIZED IMPACT-ASSESSMENT, GENERAL SURVEY PROGRAMS. MAINTENANCE OF LONG TERM MONITORING STATIONS. WATER-QUALITY ISSUES INCLUDE: EUTROPHICATION, ACIDIC DEPOSITION, IMPACTS FROM MUNICIPAL EFFLUENTS, INDUSTRIAL-EFFLUENTS & RESOURCE EXTRACTION. RIVER BASIN PLANNING; LAKE MANAGEMENT PLANNING.

TRUDEL MJ
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ET DE L'ALIMENTATION
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G1K 7P4
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NUTRIENT STATUS IN FOREST-PLANTATIONS & NATURAL FORESTS. FERTILITY STATUS OF FOREST SOILS. EFFECT OF ACID-DEPOSITION ON THE FERTILITY STATUS OF FOREST SOILS & FOREST-ECOSYSTEMS.

TSUCHIYA Y
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ANALYSIS OF GASES AND VAPOURS RELEASED FROM BUILDING MATERIALS AT ROOM TEMPERATURE AND UNDER PYROLYSIS CONDITIONS. THE ANALYTICAL TOOLS USED ARE A GC/MS, MS/MS, HPLC AND IC

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INTERACTION BETWEEN PESTICIDES AND SOIL MICROORGANISMS. DEVELOPMENT OF FUNGICIDE RESISTANT RHYZOBIAL BACTERIA. FEASIBILITY OF USING ENTOMOPHTHORA-MUSCAL TO CONTROL DIPTEROUS INSECTS.

TURNOCK WJ
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BIOCHEMISTRY AND PHYSIOLOGY OF SPORULATION, GROWTH AND GERMINATION OF ENTOMOGENOUS FUNGI, ESPECIALLY OF THE FAMILY ENTO-MOPHTHORALES.

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MCMASTER UNIVERSITY
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(416)525-9140
0618347

EFFECT OF DIAGNOSTIC RADIATION OF THE ABDOMEN ON CHROMOSOME SEGREGATION, SPECIFICALLY OF MOTHERS OF DOWN'S-SYNDROME CHILDREN & SPONTANEOUS ABORTIONS. THE MOUSE IS USED AS THE ANIMAL MODEL.

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LIMNOLOGY; NUTRIENT ENRICHMENT & ACID-RAIN IMPACT-ASSESSMENT.

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PHOTODEGREDATION, PHOTOLYSIS AND PHOTOCHEMICAL REACTIONS OF PESTICIDES. THE INTERACTION OF SUNLIGHT WITH PESTICIDES. FLUORESCENCE, PHOSPHORESCENCE AND ABSORPTION CHARACTERISTICS OF PESTICIDES.

UTHE JF
DEPARTMENT OF FISHERIES AND OCEANS
FISHERIES & ENVIRONMENTAL SCIENCES
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STUDY OF METHODS OF MEASUREMENT OF CHEMICAL CONTAMINANTS IN FISH POPULATIONS AND DETECTION OF TREND IN CONTAMINANT LEVELS OVER TIME. INVESTIGATION OF SITUATIONS WHERE CONTAMINANTS IN FISH PRODUCTS MAY POSE A CONSUMER CONCERN.

VAILLANCOURT G
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METHODOLOGIE D'ETUDES D'IMPACTS. STRUCTURES DES GROUPEMENTS BENTHIQUES CARTOGRAPHIE ECOLOGIQUE.

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(416)965-6995

EFFICIENCY OF INNOVATIVE PROCESSES FOR DRINKING-WATER PRODUCTION WITH RESPECT TO REMOVAL OF TRACE ORGANIC SUBSTANCES, METHODS OF OPTIMIZING THE OPERATION OF DRINKING-WATER TREATMENT PLANTS & QUALITY OF DRINKING-WATER SUPPLIES.

VALERO JR
CTR DE FORESTERIE DES LAURENTIDES
PATHOLOGIE DES INSECTES
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LUTTE MICROBIOLOGIQUE CONTRE LES INSECTES NUISIBLES. APPLICATION OPERATIONNELLE DE BACILLUS THURINGIENSIS POUR LE CONTROLE DES LEPIDOPTERES UTILISATION DES VIRUS ENTOMOPATHOGENES, EN PARTICULIER LES BACULOVIRUS POUR LA REPRESSION A COURT ET A LONG TERMES DES INSECTES. PATHO-BIOCHIMIE DES INSECTES.

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CHEMINEMENT ET TOXICITE SOUS-LETALE DES METAUX-LOURDS ET DES PESTICIDES DANS L' ENVIRONNEMENT-AQUATIQUE ET TERRESTRE REPERCUSSIONS DES PLUIES-ACIDES SUR LA FAUNE AQUATIQUE ECOTOXICOLOGIE DES DEPOTOIRS. BIOTECHNOLOGIES ENVIRONNEMENTALES.

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MODELLING OF SATURATED & UNSATURATED GROUNDWATER FLOW; STUDY OF IMPACT OF AGRICULTURAL DRAINAGE ON THE RIVER HYDROGRAPH.

VANDERMEULEN JH
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RESEARCH: PHYSIOLOGICAL & BIOCHEMICAL, POLLUTION STRESS IN AQUATIC ORGANISMS PRIMARILY FROM PETROLEUM HYDROCARBONS. PHYSICAL & CHEMICAL, FATE & DISPOSITION OF PETROLEUM HYDROCARBONS IN COASTAL SEDIMENTS. COASTAL ZONE POLLUTION & MANAGEMENT.

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EFFECTS OF INDUSTRIAL ACTIVITIES ON THE SOIL INCLUDING STUDIES ON ACID-RAIN, MINE-TAILINGS, SEWAGE SLUDGE. SOIL CHEMICAL PROCESSES. ENVIRONMENTAL TRACE-ELEMENT ANALYSIS.

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CONSEILLER SCIENTIFIQUE: EVALUATIONS ENVIRONNEMENTALES, POLLUANTS, TOXICOLOGIE. PROGRAMME DE RECHERCHE EN EVALUATION DES MILIEUX BIO-PHYSIQUES AU NIVEAU MARIN, ESTUARIEN, COTIER. ETUDES SYNTHESES SUR LE TRANSPORT-A-LONGUE-DISTANCE DES POLLUANTS ET LEURS EFFETS SUR LE MILIEU AQUATIQUE.

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EFFECTS OF MANURES, COMPOSTS & HUMIC-SUBSTANCES ON SOIL MICROFLORA, HIGHER PLANTS, SOIL PROPERTIES & ON POLLUTION OF NATURAL WATERS.

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IMPACTS OF TOURISM AND RECREATION, E.G. PUBLICATION "TOURISM: ECONOMIC, PHYSICAL AND SOCIAL IMPACTS" (LONGMAN, LONDON 1983).

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DISPOSAL OF CHEMICAL WASTE BY NOVEL MICROWAVE INDUCED CATALYTIC TECHNIQUES; DESTRUCTION OF PCBS. SOME OF OUR WORK HAS BEEN PUBLISHED IN OPEN AND PATENT LITERATURE. CURRENT RESEARCH USING THE MICROWAVE INDUCED CATALYTIC TECHNIQUES INCLUDES THE REMOVAL OF SULPHUR GASES IN INDUSTRIAL ENVIRONMENT.

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THE EARTH'S SURFACE WIND IS SIMULATED IN LABORATORY WIND-TUNNELS FOR STUDYING URBAN WIND CLIMATE PROBLEMS AND THE EFFECT OF WIND ON BUILDINGS, BRIDGES, SURFACE VEHICLES AND OFFSHORE STRUCTURES.

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NOVA SCOTIA AGRICULTURAL COLLEGE
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019 345 32

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NOISE AND VIBRATION SECTION
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K1A OR6
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SOUND TRANSMISSION OF ABSORPTION OF BUILDING SYSTEMS & MATERIALS. NOISE & VIBRATION CRITERIA FOR BUILDINGS. DYNAMIC RESPONSE OF STRUCTURES TO VIBRATION. BEHAVIOUR OF SOUND IN ROOMS. PENETRATION OF TRANSPORTATION NOISE & VIBRATION INTO BUILDINGS. SEISMIC REQUIREMENTS IN CANADIAN BUILDINGS.

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TRACE-ELEMENTS IN VEGETATION, SOILS, AND THEIR RELATION TO CONTAMINATION OF THE ENVIRONMENT, EPIDEMIOLOGY, AND MINERAL EXPLORATION.

WATSON AEP
RESEARCH SCIENTIST
INTERNATIONAL JOINT COMMISSION
100 OUELLETTE AVENUE 8TH FLOOR
WINDSOR ONT
N9A 6T3

WATER AND ECOSYSTEM QUALITY, DEVELOPMENT OF OBJECTIVES FOR ECOSYSTEM QUALITY FOR IJC GREAT-LAKES SCIENCE ADVISORY BOARD (SAB) HUMAN HEALTH EFFECTS OF GREAT-LAKES WATER-QUALITY EVALUATION OF HEALTH HAZARDS FROM CHEMICAL AND MICROBIOLOGICAL CONTAMINANTS IN THE GREAT-LAKES AND THE DEVELOPMENT OF THE DESIGN OF EPIDEMIOLOGICAL-STUDIES FOR THE (SAB) AND THE GREAT-LAKES WATER QUALITY BOARD. SAB GREAT-LAKES RESEARCH REVIEW PARTICIPATION.

WEAVER ME
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RESEARCH AND INVESTIGATION OF EFFECTS OF ATMOSPHERIC-POLLUTION ON CULTURAL HERITAGE RESOURCES AND THE BUILT ENVIRONMENT. MASONRY, STONE, BRICK, TERRACOTTA, BRONZES. STATUARY AND ARCHAEOLOGICAL SITES AND THEIR PROTECTION.

WEAVER RS
DIR ALBERTA ENVIRONMENTAL CENTRE
PO BAG 4000
VEGREVILLE ALTA
TOB 4LO

MANAGEMENT OF RESEARCH IN THE FOLLOWING AREAS: AIR, WATER AND SOIL-ANALYSES; EFFECTS OF ENVIRONMENTAL-CONTAMINANTS IN AIR, WATER AND SOIL ON PLANTS, WILDLIFE AND DOMESTIC ANIMALS, AQUATIC VERTEBRATES AND INVERTEBRATES, AND MICRO-ORGANISMS; HAZARDOUS-WASTE DISPOSAL.

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MCGILL UNIVERSITY
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RESEARCH IN REMOVAL OF POLLUTANTS FROM WATER BY FILTRATION ULTRAFILTRATION AND ELECTRICALLY AIDED FILTRATION.

WEETMAN GF
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UNIVERSITY OF BRITISH COLUMBIA
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(604)228-2504

STUDY OF STATE OF CANADIAN FOREST-MANAGEMENT. NUTRIENT-CYCLING AND FERTILIZATION RESEARCH. SILVICULTURE OF CANADIAN FOREST TYPES.

WEIDNER D
CHAIRMAN
ALBERTA ENVIRONMENTAL RESEARCH
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M4V 1P5
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PREPARATION OF SCIENTIFIC CRITERIA DOCUMENTS FOR STANDARDS DEVELOPMENT (MULTI-MEDIA). INCLUDES ASSESSMENT OF HEALTH. EFFECTS & EXPOSURE FOR HUMANS; EFFECTS ON TERRESTRIAL & AQUATIC-ECOSYSTEMS.

WEIN RW
UNIVERSITY OF NEW BRUNSWICK
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PO BOX 4400
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(506)453-4509
014-46202

RESEARCH INTERESTS INCLUDE USE OF FIRE IN NATIONAL PARKS & WILDERNESS AREAS. BASIC STUDIES INTERESTS INCLUDE POST FIRE NUTRIENT-CYCLING AND PRIMARY PRODUCTION.

WEINBERGER P
UNIVERSITY OF OTTAWA
DEPARTMENT OF BIOLOGY
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OTTAWA ONT
K1N 6N5
(613)564-2334

ECOPHYSIOLOGY AND TOXICOLOGY WITH SPECIAL REFERENCE TO SOILS, SOIL MICROORGANISMS, WATER (FRESH AND ESTUARINE) AQUATIC MICRO AND MACROPHYTES AND SOME TREES INDIGENOUS TO CANADA. FATE TRANSPORT, UPTAKE, EFFECTS ON PHYSIOLOGY AND DEVELOPMENT OF N2-FIXING CYANOBACTERIA, ALGAE, AQUATIC MACROPHYTES AND SOME GYMNOSPERM AND ANGIOSPERM TREE SEEDS.

WELCH W
ONTARIO HYDRO
TRANSMISSION ENVIRONMENT DEPARTMENT
700 UNIVERSITY AVE
TORONTO ONT
M5G 1X6
(416)592-4317
06-217662

PLANT ECOLOGY, WETLAND FOREST SUCCESSION, PLANT SUCCESSION FOLLOWING RIGHT OF WAY CONSTRUCTION, VEGETATION MANAGEMENT ON ELECTRICAL TRANSMISSION RIGHTS OF WAY, VEGETATION INVENTORIES, COAL FLY-ASH RECLAMATION AND EROSION CONTROL.

WELLS PG
ENVIRONMENT CANADA
ENVIRONMENTAL PROTECTION SERVICE
45 ALDERNEY DRIVE
DARTMOUTH NS
B2Y 2N6
(902)426-9632
019-21565

COORDINATION OF MARINE ENVIRONMENTAL QUALITY ISSUE. IDENTIFICATION OF PRIORITY AREAS FOR MARINE POLLUTION RESEARCH & ASSESSMENT FOR LAND BASED POLLUTANTS. MARINE ECOTOXICOLOGY: PRINCIPLES, PRACTISE & RELATIONSHIP TO MARINE COASTAL MANAGEMENT & POLLUTION-CONTROL. BIOLOGICAL TECHNIQUES FOR EFFECTS MONITORING.

WESELOH DV
CANADIAN WILDLIFE SERVICE
ENVIRONMENT CANADA
BOX 5050 CANADA CTR INLAND WATERS
BURLINGTON ONT
L7R 4A6
(416)336-4968

LEVELS OF TOXIC-CHEMICALS, DISTRIBUTION AND POPULATION LEVELS OF COLONIAL WATERBIRDS ON THE GREAT-LAKES.

WESTCOTT ND
AGRICULTURE CANADA RESEARCH STATION
INTEGRATED PEST MANAGEMENT
107 SCIENCE CRESCENT
SASKATOON SASK
S7N OX2
(306)343-8214

DEVELOPMENT OF PROCEDURES FOR THE EXTRACTION AND ANALYSIS OF ORGANOCHLORINE, ORGANOPHOSPHORUS, CARBAMATE AND PYRETHROID INSECTICIDES IN PLANTS, WATER, SOIL AND INSECTS. DETERMINE THE PERSISTENCE OF INSECTICIDE IN PLANTS, WATER, SOIL OR INSECTS UNDER LABORATORY OR FIELD CONDITIONS.

WHEATOON EE
SASK RESEARCH COUNCIL
ATMOPHERIC PROCESSES PROGRAM
15 INNOVATION BLVD
SASKATOON SASK
S7N 2X8
(306)933-8179
SAREC00742484

APPLIED CLIMATOLOGY, ESPECIALLY IN AGRICULTURE; DUST STORMS & WIND EROSION. ENVIRONMENTAL-IMPACT-ASSESSMENTS DESCRIPTIVE CLIMATOLOGY, AIR-POLLUTION CLIMATOLOGY, CLIMATIC VARIATION AND CHANGE, ENERGY CLIMATOLOGY.

WHITE AW
MARINE BIOLOGIST
ENVIRONMENTAL SCIENCE DIVISION
DEPT OF FISHERIES AND OCEANS
ST ANDREWS NB
EOG 2X0

MARINE PLANKTON ECOLOGY, PHYSIOLOGY, TOXICOLOGY. TOXIC PLANKTON BLOOMS. PARALYTIC SHELLFISH-POISONING. EFFECTS OF TOXIC RED-TIDES ON SHELLFISH AND FINFISH RESOURCES. FATE AND CONSEQUENCES OF MARINE TOXINS IN FOOD-WEBS.

WHITEHEAD R
ENVIROCLEAN
DIV OF MACLAREN PLANSEARCH
320 ADELAIDE ST SOUTH
LONGON ONT
N5Z 3L2
(519)686-7558

CHEMICAL ANALYTICAL SERVICES.

WHITELEY HR
UNIVERSITY OF GUELPH
SCHOOL OF ENGINEERING
GUELPH ONT
N1G 2W1
(519)824-4120

IMPACT OF AGRICULTURAL USE OF LAND, INCLUDING DRAINAGE ON QUALITY & QUANTITY OF STREAMFLOW & GROUNDWATER. WATERSHED MONITORING OF SNOWMELT INCLUDING ACID SHOCK EFFECTS.

WHITNEY HS
CANADIAN FORESTRY SERVICE
PACIFIC FORESTRY CENTRE
506 W BURNSIDE RD
VICTORIA BC
V8N 1M5
(604)388-0600

EVALUATION OF ENTOMOPATHOGERIC FUNGI FOR INSECT-CONTROL IN CONIFEROUS FORESTS.

WHITNEY NJ
DEPT OF BIOLOGY
UNIVERSITY OF NEW BRUNSWICK
FREDERICTON NB
E3B 5A3

MARINE FUNGI: TAXONOMY; METABOLIC PRODUCTS FROM INTERFERENCE COMPETITION; FUNGAL ECOLOGY IN THE MARINE-ENVIRONMENT; ANTIBIOTIC-COMPOUNDS FROM MARINE FUNGI; FUNGAL DISEASES OF FISH. FOREST FUNGI: EPIPHYTIC & ENDOPHYTIC FUNGAL METABOLITES TOXIC TO SPRUCE-BUDWORM. PLANT PATHOLOGY: NEEDLE-CASTS OF CONIFERS.

WHITNEY RD
CANADIAN FORESTRY SERVICE
AGRICULTURE CANADA
BOX 490
SAULT STE MARIE ONT
P6A 5M7

DAMAGE-APPRAISAL, CAUSAL FUNGI SITE RELATIONSHIPS OF ROOT DISEASES OF CONIFEROUS TREES. CANADIAN ECTOMYCORRHIZAE. PATHOGENICITY OF POLYPORUS-TOMENTOSUS. ACID-RAIN: DISEASE RELATIONSHIPS IN CONIFERS.

WHITTAM RF
WYE MARSH WILDLIFE CENTRE
FRIENDS OF WYE MARSH
PO BOX 100
MIDLAND ONT
L4R 4K6
(705)526-7809

ENVIRONMENTAL AWARENESS PROGRAMS FOR THE GENERAL PUBLIC AND FOR SCHOOLS; PLANNING WILDLIFE INTERPRETATION PROGRAMS, DESIGNING WILDLIFE ORIENTED DISPLAYS AND BROCHURES. MINOR RESEARCH PROJECTS IN FIELD BIOLOGY AND ECOLOGY.

WHITTLE DM
DEPT OF FISHERIES AND OCEANS
GREAT LAKES FISHERIES RESEARCH BR
867 LAKESHORE RD
BURLINGTON ONT
L6H 1B7
(416)336-4565

TRENDS IN CONTAMINANTS (PESTICIDES, INDUSTRIAL CHEMICALS AND TRACE-METALS) IN AQUATIC BIOTA FROM THE LAURENTIAN GREAT LAKES. DETERMINE THE IMPACT OF CONTAMINANT BURDENS ON THE AQUATIC-ECOSYSTEM.

WHYTE JNC
FISHERIES & OCEANS CANADA
FISHERIES RESEARCH BRANCH
PACIFIC BIOLOGICAL STATION
NANAIMO BC
V9R 5K6
(604)765-7007
0446128

BIOCHEMICAL INVESTIGATIONS ON ENVIRONMENTAL STRESS RELATED TO LIVE HOLDING & STORAGE CONDITIONS FOR SHELLFISH. STUDIES ON CHANGES OF METABOLIC & ENERGY RESERVES IN BIVALVES SUBJECTED TO NATURAL OR ARTIFICIAL FEED (FROM BATCH CULTURED MARINE PHYTOPLANKTON).

WIEBE K
WATER SURVEY OF CANADA
HYDROMETRIC METHODS SECTION
OTTAWA ONT
K1A OH3

AUTOMATING HYDROMETRIC DATA ACQUISITION THROUGH DEVELOPMENT OF ELECTRONIC DATA ACQUISITION SYSTEMS & APPROPRIATE SENSORS. TRANSMITTING THE RESULTANT DATA TO USERS VIA SATELLITE OR TERRESTRIAL BASED COMMUNICATION SYSTEMS.

WIGGINS GB
DEPT OF ENTOMOLOGY
ROYAL ONTARIO MUSEUM
100 QUEEN'S PARK CRESCENT
TORONTO ONT
M5S 2C6
(416)586-5532

RESEARCH CONCERNED WITH BIOSYSTEMATICS OF TRICHOPTERA (CADDISFLIES). AN ORDER OF AQUATIC INSECTS IMPORTANT IN THE TRANSFER OF ENERGY AND NUTRIENTS IN ALL TYPES OF FRESHWATER HABITATS.

WIGLE DT
CHIEF NON-COMMUNICABLE
DISEASE DIVISION
HEALTH AND WELFARE CANADA
OTTAWA ONT
K1A OL2
(613)990-8970

EPIDEMIOLOGY OF CANCER, BIRTH-DEFECTS & OTHER CHRONIC DISEASES.

WIKEN EB
LANDS DIRECTORATE
ECOLOGICAL RES & INTEGRATED PROMS
351 ST JOSEPH BLVD
HULL QUE
K1A OH3
(819)997-2321

TERRESTRIAL-ECOLOGY: ECOLOGICAL LAND-CLASSIFICATION, EVALUATION & MODELLING; LAND CAPABILITY RATING & SUITABILITY; ENVIRONMENTAL-ANALYSIS & MANAGEMENT. COORDINATION ACTIVITIES CONCERNING ACID-RAIN RESEARCH & ENVIRONMENTAL-IMPACT-ASSESSMENT IN AREAS CONCERNING LAND, WATER & WILDLIFE.

WILLIAMS DA
ENVIRONMENT CANADA
CONSERVATION AND PROTECTION
RIVER ROAD LABORATORY
OTTAWA ONT
K1A OH3
(613)998-4130
053-3510

AIR-POLLUTION MEASUREMENT: AMBIENT AND SOURCE EMISSION MEASUREMENT. COORDINATION OF OPERATIONS OF NATIONAL AIR-POLLUTION-SURVEILLANCE NETWORK.

WILLIAMS DT
HEALTH & WELFARE CANADA
HEALTH PROTECTION BRANCH
ENVIRONMENTAL HEALTH CENTRE
OTTAWA ONT
K1A OL2
(613)990-9077

DEVELOPMENT OF SAMPLING AND ANALYTICAL METHODS FOR ENVIRONMENTAL ORGANIC CONTAMINANTS. MONITORING OF ORGANIC CONTAMINANTS IN DRINKING-WATER, INDOOR-AIR AND HUMAN TISSUES. REMOVAL OF ORGANIC CONTAMINANT FROM DRINKING-WATER.

WILLIAMS PF
BRISTOL AEROSPACE LTD
PO BOX 874
WINNIPEG MAN
R3C 2S4
(204)775-8331
07-57774

DEVELOPMENT OF MONITORING SYSTEMS TO OPERATE IN REMOTE & HARSH ENVIRONMENTS. ELECTRONICS TO MEASURE, PROCESS, STORE & TELEMETER ENVIRONMENTAL DATA VIA PHONE, RADIO AND SATELLITE.

WILSON MA
HEAD ENVIRONMENTAL TECHNOLOGY
ALBERTA ENVIRONMENTAL CENTRE
PO BOX 4000
VEGREVILLE ALTA
TOB 4LO
(403)632-6761
037-42783

MANAGES RESEARCH AND DEVELOPMENT PROJECTS ON POLLUTION-CONTROL TECHNOLOGY; SPECIFICALLY IN WATER AND WASTEWATER-TREATMENT, WASTE-MANAGEMENT AND ATMOSPHERIC EMISSION CONTROL. AREAS OF WORK INCLUDE PULP-AND-PAPER, SOUR-GAS AND HAZARDOUS-WASTE DISPOSAL.

WINSTONE RW
PROVINCE OF MANITOBA
LANDS BRANCH DEPT OF NAT RESOURCES
1495 ST JAMES ST
WINNIPEG MAN
R3H OW9
(204)945-6655

ADMINISTER & MANAGE PROVINCIALLY OWNED CROWN LANDS IN MANITOBA INCLUDES LAND-USE CLASSIFICATION & ALL FORMS OF CONTRACTUAL USE OF LAND & MANAGEMENT PROGRAMS.

WINTER P
EXECUTIVE DIRECTOR
THE BIOMASS ENERGY INSTITUTE INC
1329 NIAKWA RD
WINNIPEG MAN
R2J 3T4

BIOMASS ENERGY DATA-BASES. BIOMASS. FUTURE TRENDS OF BIOMASS ENERGY. IMPACT OF TECHNOLOGY-TRANSFER. SOCIAL PSYCHOLOGICAL IMPACTS OF RENEWABLE-ENERGY.

WONG HR
DEPT OF AGRICULTURE
CANADIAN FORESTRY SERVICE
5320-122 STREET
EDMONTON ALTA
T6H 3S5

THE SYSTEMATIC STUDY OF THE SAWFLIES (HYMENOPTERA SYMPHYTA) OF THE WORLD WITH SPECIAL REFERENCE TO THE NEARCTIC AND PALAEARCTIC-SPECIES. BIOLOGICAL STUDIES OF FOREST-INSECTS IN CENTRAL CANADA.

WONG JKS
MECHANICAL ENGINEERING
NATIONAL RESEARCH COUNCIL OF CANADA
M-9
OTTAWA ONT
K1A OR6

RECIPROCATING ENGINES. ALTERNATE FUELS FOR EXISTING TYPICAL AUTOMOTIVE ENGINES AND EFFECTS OF PHYSICAL-PROPERTIES OF DIESEL FUEL ON DIESEL ENGINES PERFORMANCE; INVESTIGATION OF EXHAUST EMISSIONS USING THE NEW FUELS.

WONG PTS
FISHERIES & OCEANS CANADA
GREAT LAKES FISHERIES RESEARCH
867 LAKESHORE ROAD
BURLINGTON ONT
L7R 4A6
(416)336-4559

ALGAL PHYSIOLOGY & TOXICOLOGY; TRANSFORMATION OF HEAVY METALS IN AQUATIC ENVIRONMENT; EFFECTS OF CHEMICALS IN AQUATIC BIOTA (FISH & PHYTOPLANKTON).

WONG SL
ONTARIO MINISTRY OF THE ENVIRONMENT
WATER RESOURCES - TOXICITY UNIT
PO BOX 213
REXDALE ONT
M9W 5L1
(416)248-3058

ASSESS THE IMPACT OF TOXIC SUBSTANCES ON BIOTA IN BOTH SURFACE-WATERS & INDUSTRIAL WASTEWATERS USING ASSAY TECHNIQUES WITH ALGAE & ZOOPLANKTON AS TEST ORGANISMS.

WOOD AG
POLYSAR LTD
MGR POLYSAR GLOBAL TOXICOLOGY GROUP
VIDAL ST
SARNIA ONT
N7T 7M2
(519)337-8251

PROTECTION OF HEALTH OF EMPLOYEES IN APPLICATION OF INDUSTRIAL-HYGIENE PRINCIPLES. DEVELOPMENT OF MATERIAL SAFETY DATA SHEETS AND TOXICOLOGY SUMMARIES FOR SYNTHETIC RUBBERS. COORDINATION OF WASTE-MANAGEMENT PROGRAMS AND MONITORING OF GOVERNMENTAL REGULATIONS.

WORGAN JP
TRANSPORT CANADA
FACILITIES & ENVIRONMENT MANAGEMENT
PLACE DE VILLE TOWER C
OTTAWA ONT
K2P 2K4
(613)990-1402

ENVIRONMENTAL-IMPACT-ASSESSMENT FOR AIRPORT PROJECTS. SPECIALIZATION IN WATER-QUALITY MONITORING AND ASSESSMENT.

WOTTON DL
MANITOBA ENVIRONMENT
TERRESTRIAL STANDARDS AND STUDIES
BOX 7 BIDG #2 139 TUXEDO AVENUE
WINNIPEG MAN
R3N OH6
(204)945-7081

LEAD: DEPOSITION & ACCUMULATION IN URBAN SOILS, SMELTER EMISSIONS, EXHAUST, PAINT RESIDUES. FOREST: EFFECTS FROM MINING SMELTERS ON VEGETATION & SOIL, NORTHERN BOREAL-FOREST ECOSYSTEMS, CONIFEROUS REGENERATION IMPACTS FROM HEAVY-METAL CONTAMINATED SOILS. SOIL & GEOLOGY SENSITIVITY MAPPING FOR ACID-RAIN. HERBICIDES.

WRIGHT DS
ENVIRONMENT CANADA
CONSERVATION AND PROTECTION
351 ST JOSEPH BLVD
HULL QUE
K1A OH3
(819)953-1166

ENVIRONMENTAL-ASSESSMENT AND IMPACT EVALUATION. PRIVATE-SECTOR EXPERIENCE IN APPLICATION OF ENVIRONMENTAL-ASSESSMENT METHODS TO LARGE-SCALE ENERGY PROJECTS, AND PUBLIC SECTOR EXPERIENCE IN DEVELOPMENT OF ENVIRONMENTAL-ASSESSMENT AND REVIEW PROCEDURES FOR CANADIAN AND INTERNATIONAL AID PROJECTS. EXPERIENCE IN POLICY FORMULATION, PLANNING AND ISSUE MANAGEMENT.

YEATMAN CW
CANADIAN FORESTRY SERVICE
PETAWAWA NATIONAL FORESTRY INST
CHALK RIVER ONT
KOJ 1JO
(613)589-2880
053-34557

PROJECT LEADER OF TREE GENETICS AND BREEDING RESEARCH IN BOREAL CONIFERS. RESEARCH IN GENECOLOGY AND GENETIC IMPROVEMENT OF PINUS-BANKSIANA. ACTIVIST IN PROMOTING CONSERVATION OF FOREST GENETIC RESOURCES WORLD-WIDE.

YONG RN
GEOTECHNICAL RESEARCH CENTRE
ENVIRONMENTAL GEO-TECNOLOGY DIV
817 SHERBROOKE ST W
MONTREAL QUE
H3A 2K6
(514)392-5842

RESEARCH INVOLVES ENVIRONMENTAL-AUDITING PERTAINING TO HAZARDOUS-WASTE DISPOSAL AND MANAGEMENT. RESEARCH THEMES ADDRESSED INCLUDE CONTAMINANT MIGRATION MODELLING IN SOILS, SOIL DECONTAMINATION, TOXICITY ASSESSMENT, CONTAMINANT BIODEGRADATION, LAND FARMING, REMEDIAL MEASURES, SOIL BIOTECHNOLOGY.

YOSHIDA K
THE UNIVERSITY OF CALGARY
FACULTY OF MEDICINE
3330 HOSPITAL DR N W
CALGARY ALTA
T2N 1N4
(403)220-4297

HOSPITAL ENVIRONMENTAL HEALTH. APPLICATOR EXPOSURE TO PESTICIDES. HOSPITAL WORKER EXPOSURE TO ANTI NEOPLASTIC DRUGS. HOSPITAL WORKER EXPOSURE TO ETHYLENE-OXIDE, INDOOR AIR-POLLUTION & HEALTH EFFECTS. WORKER EXPOSURE TO DISOLYANATES IN AUTO BODY REPAIR SHOPS.

YOUNG GJ
INLAND WATERS DIRECTORATE
ENVIRONMENT CANADA
OTTAWA ONT
K1A OH3
(819)997-1487
053 3188

HYDROLOGY OF MOUNTAIN AREAS WITH PARTICULAR EMPHASIS ON GLACIERS AS SOURCES OF STREAMFLOW AND AS INITIATORS OF CATASTROPHIC FLOODS. MASS-BALANCE, MONITORING.

YOUNG JC
AGRICULTURE CANADA
CHEMISTRY & BIOLOGY RESEARCH INST
OTTAWA ONT
K1A OC6

RESEARCH IN THE INCIDENCE, NATURE, CAUSES AND CONSEQUENCES OF MYCOTOXIN RELATED PROBLEMS CAUSED BY FUNGI.

YOUNG JWS
ENVIRONMENT CANADA
ATMOSPHERIC ENVIRONMENT SERVICE
4905 DUFFERIN ST
DOWNSVIEW ONT
M3H 5T4
(416)667-4937
06-964582

LRTAP, TOXIC-CHEMICALS, ENERGY, NORTH, GREAT-LAKES WATER-QUALITY, AIR-QUALITY, CLIMATE CHANGE, OXIDANTS. MAIN FOCUS IS THE ATMOSPHERIC PATHWAY PORTION OF THESE AREAS.

YOUNG M
ONTARIO MINISTRY OF THE ENVIRONMENT
LABORATORY BRANCH WATER QUALITY SEC
125 RESOURCES RD
REXDALE ONT
M9W 5L1
(416)248-3008

BACTERIAL POLLUTION OF SURFACE-WATERS & SEDIMENTS FROM FECAL (URBAN & RURAL) & INDUSTRIAL SOURCES; ANALYSIS & INTERPRETATION. DISPOSAL OF PATHOLOGICAL WASTE.

ZACH R
ATOMIC ENERGY OF CANADA
WHITE SHELL NUCLEAR RESEARCH ESTAB
PINAWA MAN
ROE 1LO
(204)753-2311
07-57553

EFFECTS OF RADIATION ON THE ENVIRONMENT. MOVEMENT OF RADIONUCLIDES IN THE ENVIRONMENT. NUCLEAR FUEL, WASTE-MANAGEMENT, ENVIRONMENTAL-ASSESSMENT. EFFECTS OF RADIATION ON BIRDS. ECOLOGY.

ZAMMUTO RM
KANANASKIS CENTRE FOR ENVIRONMENTAL RESEARCH
UNIVERSITY OF CALGARY
SEEBE ALTA
TOL 1XO
(403)220-5355

RELATIONSHIPS AMONG VARYING ENVIRONMENTAL CONDITIONS AND LIFE-HISTORIES OF BIRD AND MAMMAL POPULATIONS IN MONTANE OR BOREAL AREAS. TERRESTRIAL-ECOLOGY, ZOOLOGY, SURVIVAL, WILDLIFE, NON-GAME, REPRODUCTION, ORNITHOLOGY, WEATHER, BIOMETEOROLOGY, BIOMETRICS, BOREAL, CLIMATE, CONSERVATION, METEOROLOGY, MAMMAL POPULATION.

ZITKO V SECTION LEADER ENVIRONMENT DEPT OF FISHERIES AND OCEANS BIOLOGICAL STATION ST ANDREWS N B EOG 2XO (506)529-8854	DETECTION, IDENTIFICATION, MEASUREMENT, EFFECTS OF CHEMICALS ON AQUATIC-BIOTA. MASS-SPECTROMETRY, ENVIRONMENTAL MODELLING, TOXICOLOGY, ORGANIC-CHEMICALS.
ZOLTAI SC NORTHERN FOREST RESEARCH CENTRE AGRICULTURE CANADA 5320-122 STREET EDMONTON ALTA T6H 3S5 (403)435-7304 0372117	RESEARCH IN DYNAMICS OF WETLANDS IN ARCTIC, SUBARCTIC AND BOREAL REGIONS. RESEARCH IN ENVIRONMENTAL-IMPACT-ASSESSMENT AND IN PLANT SOIL RELATIONSHIPS IN THE ABOVE REGIONS OF CANADA.

ACCLIMATION

COUTURE P : UTILISATION D'INDICATEURS BIOLOGIQUES, EN PARTICULIER LE PHYTOPLANCTON (ALGUES UNICELLULAIRES) POUR DETERMINER LA QUALITE DE L' EAU: ASPECT EUTROPHISATION, ASPECTS ECOLOGIQUE ET TOXICOLOGIQUE, RELATIONS STRUCTURE FONCTION, BIOESSAIS IN VITRO, BIOESSAIS IN SITU, COMMUNAUTE MICROBIENNE, PRODUCTION PRIMAIRE, CHARGE ENERGETIQUE ACCLIMATION.

ACID-DEPOSITION

FINDLAY RL : RESEARCH IN ACID-DEPOSITION & ITS EFFECTS, FOREST & AGRICULTURE RECLAMATION; OIL & SALT WATER SPILL RECLAMATION; IMPACT-ASSESSMENT FOR OIL & GAS DEVELOPMENT; DECOMMISIONING PROGRAMS.

PALMER C : RESEARCH IS IN THE AREA OF EFFECTS OF ACID-DEPOSITION ON SOILS. SPECIFIC PROJECTS INCLUDE LONG-TERM MONITORING OF SOILS. THE STUDY OF SOIL-BUFFERING PROCESSES AND RESEARCH TO DETERMINE TARGET LOADINGS.

SCHIFF H : MEASUREMENT OF ATMOSPHERIC GASES. ATMOSPHERIC-CHEMISTRY. OZONE DEPLETION. ACID-DEPOSITION. PHOTOCHEMICAL OXIDANTS & SMOG. GLOBAL CLIMATE INFLUENCED BY ATMOSPHERIC-CHEMISTRY.

SIMS MP : PROVINCIAL RESEARCH PROGRAMS ON ACID-DEPOSITION, AIR-QUALITY & CLIMATE, RECLAMATION, WATER-RESOURCES; WATER-TREATMENT & WASTE-MANAGEMENT, ENVIRONMENTAL CONTAMINANTS. INTERESTS IN RISK-ASSESSMENT, BIOTECHNOLOGY & LAND RESOURCE INVENTORY.

SINGLETON GA : ACID-DEPOSITION: EFFECTS ON FORESTED SYSTEMS; RECLAMATION OF DISTURBANCES FROM SURFACE MINING, OIL-SANDS DEVELOPMENT & OIL & GAS INDUSTRIES; BIOTECHNOLOGY, RESOURCE INVENTORY & TECHNOLOGY-TRANSFER; GEOSCIENCE INVESTIGATIONS. TERRESTRIAL BASED RESEARCH.

TORRENUEVA AL : MONITORING ENVIRONMENTAL-IMPACT ASSOCIATED WITH CONSTRUCTION & OPERATION OF ELECTRIC GENERATING STATIONS (THERMAL, HYDRAULIC & NUCLEAR). NUCLEAR). RESEARCH ON THE EFFECTS OF ACID-DEPOSITION & OTHER AIR-POLLUTANTS ON BIOLOGICAL SYSTEMS. REVEGETATION OF ASH DISPOSAL AREAS.

TRUONG DINH PHU : NUTRIENT STATUS IN FOREST-PLANTATIONS & NATURAL FORESTS. FERTILITY STATUS OF FOREST SOILS. EFFECT OF ACID-DEPOSITION ON THE FERTILITY STATUS OF FOREST SOILS & FOREST-ECOSYSTEMS.

ACID-FOG

CHISHOLM AJ : MANAGEMENT OF RESEARCH IN STRATOSPHERIC POLLUTION, OZONE MONITORING, SOLAR ENERGY, WEATHER RADAR, CLOUD PRECIPITATION PHYSICS, CLOUD CHEMISTRY & ACID-FOG. HEAD, CANADIAN DELEGATION NEGOTIATING THE VIENNA CONVENTION FOR THE PROTECTION OF THE OZONE LAYER.

COX RM : EFFECTS OF AIR-POLLUTION ON FOREST PLANT REPRODUCTION & PRODUCTIVITY INCLUDING EFFECTS OF ACID-RAIN OR ACID-FOG & TRACE-ELEMENTS. EVALUATION TRACE-ELEMENT TOLERANCE IN NATIVE PLANTS.

ACID-GAS

DODD DJR : CONTROL OF GAS, LIQUID, SOLID-EMISSIONS FROM THERMAL & NUCLEAR GENERATING STATIONS IN ONTARIO. FOCUS ON FLY-ASH & ACID-GAS CONTROL SYSTEM WASTE-DISPOSAL LEACHING BEHAVIOUR. ACID-GAS CONTROL TECHNOLOGIES.

ACID-MISTS

SPINK EF : INVENTORS AND DEVELOPERS OF WATERLOO SCRUBBERS, A LOW ENERGY, LOW WATER-USE, WET-SCRUBBERS CAPABLE OF ULTRA HIGH REMOVAL OF SUB-MICRON PARTICULATE, GASES, ACID-MISTS AND ORGANIC FUMES.

ACID-PRECIPITATION

BARCLAY-ESTRUP P : VEGETATION, SOIL, AIR-POLLUTION INTERRELATIONSHIPS, ESPECIALLY BRYOPHYTES AND LICHENS, ACID-PRECIPITATION AND HEAVY-METAL ACCUMULATIONS. GENERAL PLANT ECOLOGY.

CAMPBELL PG : TRACE-METAL BIOGEOCHEMISTRY. ACID-PRECIPITATION. SOURCE POLLUTION; EVOLUTION POLLUTION; POLLUTION TRANSPORT; GROUNDWATER CONTAMINATION BY PESTICIDES.

CASE JW : AIR-POLLUTION & ACID-PRECIPITATION BIOMONITORING: ENVIRONMENTAL-CONTAMINATION MONITORING PROGRAM DESIGN & IMPLEMENTATION; GEOBOTANICAL-PROSPECTING; MICRO COMPUTER APPLICATIONS FOR DATA COLLECTION, STATISTICAL-ANALYSIS, INFORMATION PRESENTATION & REDUCTION.

DIMMA D : DETERMINES THE SENSITIVITY OF ONTARIO SOILS TO ACIDIC-PRECIPITATION. RESEARCH INCLUDES THE COLLECTION OF BASELINE SOIL INFORMATION, SIMULATED ACIDIC-PRECIPITATION EXPERIMENTS AND SOIL-BUFFERING CURVE EXPERIMENTS, AND THE ROLE THAT ACID-PRECIPITATION IS PLAYING IN MAPLE DECLINE IN ONTARIO.

ELDER FC : RESEARCH MANAGEMENT IN AREAS RELATED TO ACID-PRECIPITATION EFFECTS ON AQUATIC SYSTEMS, PHYSICAL LIMNOLOGY AND WATER-RESOURCE DATA-MANAGEMENT, ENVIRONMENTAL AND WATER-RESOURCE MONITORING.

ACID-PRECIPITATION

HARA TJ : PHYSIOLOGICAL, BIOCHEMICAL, MORPHOLOGICAL & BEHAVIORAL STUDIES ON CHEMORECEPTION IN FISH; ITS ROLE IN MIGRATION & REPRODUCTION; ITS APPLICATION TO FISHING & AQUACULTURE; & ITS INTERACTIONS WITH TOXIC CHEMICALS & ACID-PRECIPITATION.
MCKEOWN BA : ENVIRONMENTAL TOXICANTS OF FISH. HEAVY-METALS (ZINC, MERCURY, ALUMINUM), OIL, OIL DISPERSANTS, PESTICIDES, ACID-PRECIPITATION.
MCLEAN R : PULP-AND-PAPER INDUSTRY. ACID-PRECIPITATION. TRACE-METALS.
OGDEN JG : ECOLOGICAL EFFECTS OF ACID-PRECIPITATION. RECENT CLIMATIC CHANGE: TRENDS AND IMPACTS.
RUBEC CDA : EFFECTS OF ACID-PRECIPITATION & ECOSYSTEMS AT RISK. ASSESSMENT OF RESOURCES AT RISK TO ACID-RAIN. WETLANDS & LAND CONSERVATION. LAND USE MONITORING. ECOLOGICAL LAND SURVEY. NORTHERN ECOLOGY.
TIMS AJS : ACID-PRECIPITATION MONITORING; PROVINCIAL NETWORK DATA. OZONE MONITORING USING BIOMONITORS. LICHEN & MOSS BIOASSIMILATION OF TRACE-METALS & POLLUTANTS. RESPONSE TO PUBLIC COMPLAINTS OF AIR-POLLUTION INJURY TO VEGETATION.

ACID-RAIN

BARRIE LA : ATMOSPHERIC CYCLE OF TRACE CONSTITUENTS. STUDY OF ACID-RAIN PHENOMENA ON A REGIONAL SCALE & ARCTIC AIR POLLUTION ON AN HEMISPHERIC SCALE. COMPUTER MODEL OF ARCTIC AIR-POLLUTION USED TO INVESTIGATE COMPLEX INTERACTIONS OF TRANSPORT, TRANSFORMATION & REMOVAL. ROUTINE AEROSOL SCIENCE MEASUREMENTS ARE MADE IN THE CANADIAN ARCTIC. RELATIONSHIP BETWEEN AIR & PRECIPITATION TRACE ELEMENTAL COMPOSITION & POLLUTANT ORIGIN UNDER INVESTIGATION.
BESNER DI : STUDIES ON VARIETY OF ENVIRONMENTAL ISSUES: IMPACTS OF ACID-RAIN (WET SULPHATE DEPOSITION), FATE OF PESTICIDES, PH SHOCK FROM SNOWMELT. ORIENTED TO PRACTICAL APPLICATION OF CONTROL PROGRAMS, ENVIRONMENTAL-PLANNING & ENVIRONMENTAL-ASSESSMENT TECHNIQUES.
COOTE DR : SOIL-DEGRADATION, DRAINAGE, EROSION, COMPACTION AND THEIR EFFECTS ON THE AGRICULTURAL ENVIRONMENT; EFFECT OF ACID-RAIN ON AGRICULTURAL SOILS AND MANAGEMENT SYSTEMS.
COX RM : EFFECTS OF AIR-POLLUTION ON FOREST PLANT REPRODUCTION & PRODUCTIVITY INCLUDING EFFECTS OF ACID-RAIN OR ACID-FOG & TRACE-ELEMENTS. EVALUATION TRACE-ELEMENT TOLERANCE IN NATIVE PLANTS.
DONNAN J : ACID-RAIN SOCIO-ECONOMIC RESEARCH PROGRAM CONSISTING OF DAMAGES & BENEFITS; COST OF ABATEMENT & MITIGATION; TOOLS FOR EVALUATION & POLICY DEVELOPMENT. INTEGRATION OF NATURAL & SOCIAL SCIENCE DATA TO DEVELOP POLICY RELEVANT DOCUMENTATION. MODELLING OF ACIDIFICATION EFFECTS.
DUNCAN CE : AIR-QUALITY & PRECIPITATION QUALITY MONITORING, ACID-RAIN MATHEMATICAL-MODELLING, METEOROLOGY, CONTROL & PROCESS TECHNOLOGY, HAZARDOUS CONTAMINANTS, STANDARD SETTING & REGULATION, SOURCE ASSESSMENT & MEASUREMENTS, VEHICLE EMISSIONS, SOILS & VEGETATION ASSESSMENT, PLANT PATHOLOGY EMERGENCY RESPONSE.
ESPLIN GJ : DEVELOPMENT OF A NEW PROCESS FOR ACID-RAIN NEUTRALIZATION (LABORATORY KINETIC STUDIES). AIR-POLLUTION MONITORING & CONTROL TECHNOLOGIES. TOXIC-WASTE INCINERATION. BIOMASS GASIFICATION. NEW COMBUSTION TECHNOLOGY.
HAANA E : COMPUTER-MODELLING OF HAZARDOUS-WASTE, ACID-RAIN, WOOD ENERGY AND FISHERIES FOR POLICY AND DECISION ANALYSIS. DESIGN AND IMPLEMENTATION OF RESOURCE AND ENVIRONMENTAL MANAGEMENT PLANS AND REHABILITATION MEASURES. DEVELOPMENT OF ENVIRONMENTAL ANALYSIS METHODOLOGIES AND INFORMATION-SYSTEMS. BIOPHYSICAL INVENTORIES AND DATA-ANALYSIS FOR BACKGROUND TO PLANNING INITIATIVES.
HOWARD TE : INDUSTRIAL-HYGIENE. ENVIRONMENTAL HEALTH STUDIES. AIR-POLLUTION STUDIES: IMPACT OF AIR EMISSIONS, ACID-RAIN, ODOUR CONTROL. MODELLING ATMOSPHERIC DISPERSION OF AIR-POLLUTANTS. WATER STUDIES. UPTAKE OF METALS BY AQUATIC ORGANISMS. BIOASSAYS. WASTEWATER-TREATMENT. REMOTE-SENSING. LANDFILL LEACHATE CONTROL.
HUTCHINSON TC : ACID-RAIN STUDIES OF TERRESTRIAL-ECOSYSTEMS, HEAVY-METAL TOXICITY TO PLANTS AND ALGAE, ECOTOXICOLOGY OF NICKEL, COPPER, LEAD. EFFECTS OF SMELTERS. OIL-SPILL AND HYDROCARBON TOXICITY RESEARCH. ARCTIC AND BOREAL AREAS.
INSTITUTE FOR ENVIRONMENTAL STUDIE : ENVIRONMENTAL-MANAGEMENT INCLUDING ENVIRONMENTAL PERCEPTION, GREAT-LAKES ECOSYSTEMS REHABILITATION, CLIMATE IMPACT-ASSESSMENT IMPACT OF THIRD-WORLD URBANIZATION, RISK-ASSESSMENT, IMPACTS OF ACID-RAIN AND METALS ON BIOLOGICAL SYSTEMS, MODELLING PATHWAYS OF TOXIC SUBSTANCES, ENVIRONMENTAL-TOXICOLOGY.
ISAAC GA : RESEARCH ON CLOUD PHYSICS, CLOUD CHEMISTRY, AEROSOL PHYSICS, ACID-RAIN, MESOSCALE METEOROLOGY, WEATHER RADAR, WEATHER MODIFICATION, CLOUD CLIMATOLOGY & AIRCRAFT METEOROLOGICAL INSTRUMENTATION.
KELLEY DG : ASSESSMENT & CONTROL OF HUMAN ACTIVITIES WHICH POSE ENVIRONMENTAL THREATS SUCH AS ACID-RAIN, TOXIC-CHEMICALS & HAZARDOUS-WASTES. SPECIFIC ACTIVITIES INCLUDE URBAN, INDUSTRIAL AND TRANSPORT.
LECHOWICZ MJ : ECOLOGY OF PLANT PRODUCTIVITY. CONTROLS ON PLANT GROWTH AND REPRODUCTION, ESPECIALLY FOR ANNUAL WEEDS LIKE XANTHIUM-STRUMARIUM. NATURAL TREE DEFENSES AGAINST LEAF-FEEDING CATERPILLARS. CLIMATIC CONTROL OF LICHEN PRODUCTIVITY. ACID-RAIN EFFECTS ON LICHEN PRODUCTIVITY.
LINZON SN : EFFECTS OF AIR-POLLUTANTS INCLUDING ACID-RAIN ON VEGETATION. RESULTS OF STUDIES ARE USED TO CONTROL EMISSIONS AT SOURCES.
MACPHERSON JI : OPERATE NRC TWIN OTTER ATMOSPHERIC RESEARCH AIRCRAFT IN FOLLOWING TYPES OF EXPERIMENTS: WEATHER MODIFICATION, AIR SAMPLING, TURBULENCE RESEARCH, CO2-FLUX MEASUREMENT, ACID-RAIN RESEARCH.

ACID-RAIN

MAHENDRAPPA MK : SOIL-CHEMISTRY AND MICROBIOLOGY AS RELATED TO ACID-RAIN AND NUTRIENT-CYCLING IN FOREST-ECOSYSTEMS. CHEMISTRY OF PRECIPITATION AND ITS INFLUENCE ON THE CHEMICAL AND BIOCHEMICAL PROCESSES ON TREES AND SOIL. IMPROVEMENT OF THE USE OF WATER AND FERTILIZERS IN TREE NURSERIES.

MARTIN HC : RESPONSIBLE FOR COORDINATION OF FEDERAL ACID-RAIN RESEARCH PROGRAM AND INTERGOVERNMENTAL AND INTERNATIONAL PROJECTS. DUTIES INCLUDE RESEARCH, MANAGEMENT, ASSESSMENT, POLICY DEVELOPMENT.

MCILVEEN WD : ASSESSMENT OF ENVIRONMENTAL CONTAMINANT EFFECTS INCLUDING ACID-RAIN ON TERRESTRIAL SYSTEMS (VEGETATION & SOIL) FOR PURPOSES OF PROVINCIAL ABATEMENT STRATEGY. PRACTICAL FIELD & LABORATORY PROBLEM SOLVING RESEARCH.

MELO OT : AEROSOL SCIENCE. NUCLEPORE-FILTER TECHNIQUE. PLUME CHEMISTRY RESEARCH. STUDIES OF CLOUD PHYSICS AND CHEMISTRY ASPECTS OF ACID-RAIN.

MORRISON IK : RESEARCH INTO EFFECTS OF ACID-RAIN ON FOREST BIOGEOCHEMISTRY, ESPECIALLY EFFECTS ON FOREST PRODUCTIVITY; RESEARCH INTO SOIL CHEMICAL CHANGES EFFECTED BY ACID-RAIN ARTIFICIALLY SUPPLIED; EFFECTS OF TOXIC HEAVY-METALS ON VEGETATION GROWTH.

NEILSON JM : MINERAL EXPLORATION. MINE DEVELOPMENT. MINE-TAILINGS DISPOSAL. SOLID & LIQUID-WASTE DISPOSAL. REGENERATION OF MINED AREAS. REVEGETATION: TEMPERATE & TROPICAL. SURFACE & SUBSURFACE POLLUTION. ACID-RAIN RESEARCH (CANADA & NORWAY). WELL DRILLING: SUBSURFACE WATER-SUPPLY.

NRIAGU JO : CYCLING OF POLLUTANT METALS IN THE ENVIRONMENT; IMPACTS OF ACID-RAIN ON AQUATIC-ECOSYSTEMS.

ROBITAILLE G : EFFECTS OF PRIMARY & SECONDARY AIR-POLLUTANTS INCLUDING ACID-RAIN ON FORESTS, SOILS, LICHENS & MOSSES; NUTRIENT CYCLING IN FOREST-ECOSYSTEMS; BIOGEOCHEMICAL CYCLES; BIOMONITORING; TREE-RING ANALYSIS IN RELATION TO POLLUTION.

RUBEC CDA : EFFECTS OF ACID-PRECIPITATION & ECOSYSTEMS AT RISK. ASSESSMENT OF RESOURCES AT RISK TO ACID-RAIN. WETLANDS & LAND CONSERVATION. LAND USE MONITORING. ECOLOGICAL LAND SURVEY. NORTHERN ECOLOGY.

SCOTT GW : RESEARCH INFORMATION ON ACID-RAIN: ATMOSPHERIC PROCESSES, AQUATIC EFFECTS (INCLUDES LAKE LIMING), TERRESTRIAL EFFECTS, SOCIO-ECONOMIC EFFECTS.

SHEWCHUK SR : ATMOSPHERIC-SCIENCES RESEARCH INCLUDING ACID-RAIN STUDIES. GENERAL AIR-POLLUTION AND AGROMETEOROLOGY RESEARCH.

SIDHU SS : EFFECTS OF FLUORIDES IN THE ATMOSPHERE ON PLANTS & SOILS. EFFECTS OF SIMULATED ACID-RAIN ON PLANT POLLEN; BAFFERING CAPACITY OF PLANT SPECIES. EFFECTS OF HERBICIDES ON TARGET & NON-TARGET SPECIES; RESIDUES IN SOILS & PLANTS AND MOVEMENT OF HERBICIDES IN SOILS.

UNDERWOOD JK : LIMNOLOGY; NUTRIENT ENRICHMENT & ACID-RAIN IMPACT-ASSESSMENT.

VANLOON GW DR : EFFECTS OF INDUSTRIAL ACTIVITIES ON THE SOIL INCLUDING STUDIES ON ACID-RAIN, MINE-TAILINGS, SEWAGE SLUDGE. SOIL CHEMICAL PROCESSES. ENVIRONMENTAL TRACE-ELEMENT ANALYSIS.

WHITNEY RD : DAMAGE-APPRAISAL, CAUSAL FUNGI SITE RELATIONSHIPS OF ROOT DISEASES OF CONIFEROUS TREES. CANADIAN ECTOMYCORRHIZAE. PATHOGENICITY OF POLYPORUS-TOMENTOSUS. ACID-RAIN: DISEASE RELATIONSHIPS IN CONIFERS.

WIKEN EB : TERRESTRIAL-ECOLOGY: ECOLOGICAL LAND-CLASSIFICATION, EVALUATION & MODELLING; LAND CAPABILITY RATING & SUITABILITY; ENVIRONMENTAL-ANALYSIS & MANAGEMENT. COORDINATION ACTIVITIES CONCERNING ACID-RAIN RESEARCH & ENVIRONMENTAL-IMPACT-ASSESSMENT IN AREAS CONCERNING LAND, WATER & WILDLIFE.

WOTTON DL : LEAD: DEPOSITION & ACCUMULATION IN URBAN SOILS, SMELTER EMISSIONS, EXHAUST, PAINT RESIDUES. FOREST: EFFECTS FROM MINING SMELTERS ON VEGETATION & SOIL, NORTHERN BOREAL-FOREST ECOSYSTEMS, CONIFEROUS REGENERATION IMPACTS FROM HEAVY-METAL CONTAMINATED SOILS. SOIL & GEOLOGY SENSITIVITY MAPPING FOR ACID-RAIN. HERBICIDES.

ACIDIC-DEPOSITION

GIZYN WI : EFFECT OF ACIDIC-DEPOSITION ON TERRESTRIAL ENVIRONMENT. SURVEYS OF FOLIAR CHEMICAL COMPOSITION IN FOREST TREE SPECIES.

LUSIS MA : ACIDIC-DEPOSITION (WET & DRY). TOXICS DEPOSITION (PCBS, PESTICIDES, PAHS, DIOXINS). OXIDANTS. ATMOSPHERIC-CHEMISTRY & DISPERSION. MATHEMATICAL-MODELLING OF LRTAP.

MERANGER JC : CHARACTERIZATION OF FIBROUS DUSTS INCLUDING ASBESTOS. ANALYSIS OF WATER, AIR AND BIOLOGICAL SAMPLES. EFFECTS OF ACIDIC-DEPOSITION ON QUALITY OF DRINKING-WATER (TRACE-ELEMENT CONTAMINATION). TRACE-ELEMENT METHOD DEVELOPMENT.

SANDHU HS : PHOCHEMICAL AIR-POLLUTION & ATMOSPHERIC-CHEMISTRY. ACIDIC-DEPOSITION INCLUDING TRANSPORT.

ACIDIC-PRECIPITATION

ANLAUF K : MEASUREMENT OF AMBIENT ATMOSPHERIC-POLLUTANTS RELATED TO ACIDIC-PRECIPITATION, OXIDANTS & SMOG. OXIDATION OF SULPHUR-DIOXIDE TO SULPHATE & NITROGEN-DIOXIDE TO NITRIC-ACID; ATMOSPHERIC PARTICULATE MATTER & ITS MEASUREMENT. TRANSPORT OF AIR-POLLUTION & ITS CHEMICAL TRANSFORMATION. OZONE.

ACIDIC-PRECIPITATION

DIMMA D : DETERMINES THE SENSITIVITY OF ONTARIO SOILS TO ACIDIC-PRECIPITATION. RESEARCH INCLUDES THE COLLECTION OF BASELINE SOIL INFORMATION, SIMULATED ACIDIC-PRECIPITATION EXPERIMENTS AND SOIL-BUFFERING CURVE EXPERIMENTS, AND THE ROLE THAT ACID-PRECIPITATION IS PLAYING IN MAPLE DECLINE IN ONTARIO.
KRAMER JR : GEOCHEMISTRY RESEARCH INCLUDING IMPACT OF ACIDIC-PRECIPITATION; METAL SPECIATION AND BIOLOGICAL TOXICITY; AQUEOUS CHEMISTRY OF SHIELD LAKES.
LOESCHER B : ANALYTICAL-CHEMISTRY OF METALS, PARTICULARLY ANALYSIS OF ACIDIC-PRECIPITATION, AND SURFACE-WATERS.

ACIDIFICATION

AUCLAIR JC : HYDROBIOLOGIE; ECOLOGIE-AQUATIQUE; ECOSYSTEME AQUATIQUE; EUTROPHISATION; POLLUTION-EAU; LIMNOLOGIE; LAC ACIDIFICATION; PRECIPITATIONS-ACIDES LAC; ALGUE PLANCTON; PHYTOPLANCTON; CHLOROPHYLLE; OXYGENE DISSIUS; MATIERE ORGANIQUE; PHOSPHATE; PHOSPHORE.
BUNTING BT : MICROMORPHOLOGY OF SOILS, ESPECIALLY: BOREAL-FOREST HUMUS PROFILE; ARCTIC SOILS; SOLUTE-TRANSFER IN CLAY SOILS AND SOIL ACIDIFICATION.
DONNAN J : ACID-RAIN SOCIO-ECONOMIC RESEARCH PROGRAM CONSISTING OF DAMAGES & BENEFITS; COST OF ABATEMENT & MITIGATION; TOOLS FOR EVALUATION & POLICY DEVELOPMENT. INTEGRATION OF NATURAL & SOCIAL SCIENCE DATA TO DEVELOP POLICY RELEVANT DOCUMENTATION. MODELLING OF ACIDIFICATION EFFECTS.
MINNS CK : MODELLING & STATISTICAL-ANALYSIS OF FISHERIES & ENVIRONMENTAL PROBLEMS INCLUDING COMMUNITY DYNAMICS, EUTROPHICATION, ACIDIFICATION AND CONTAMINANTS.
NYBORG M : RESEARCH ON SULPHUR-DEPOSITION BY WET & DRY DEPOSITION; FALL OUT OF ACIDIFICATION OF SOIL BY NITROGEN FERTILIZERS & LIMING OF SOILS.
SMOL JP : LIMNOLOGICAL & PALEOLIMNOLOGICAL STUDIES IN NORTH AMERICA INCLUDING THE HIGH ARCTIC & EUROPE. PALEOECOLOGICAL RECORD OF LAKE ACIDIFICATION.

ACQUISITION-DE-DONNEES

BOBEE BJY : HYDROLOGIE STATISTIQUE; HYDROSTATISTIQUE; ANALYSE STATISTIQUE; METHODE STATISTIQUE DEBIT EAU; ECOULEMENT EAU; CRUE PARAMETRE HYDROLOGIQUE; HYDROPARAMETRE RESEAU HYDROMETRIQUE; RESEAU HYDROLOGIQUE ACQUISITION-DE-DONNEES; RESEAU LOI STATISTIQUE; DISTRIBUTION STATISTIQUE; PEARSON-III; MODELE HYDROLOGIE.
CLUIS D : HYDROLOGIE STATISTIQUE; HYDROSTATISTIQUE; ANALYSE STATISTIQUE; METHODE STATISTIQUE; SERIE DE TEMPS; PAS DE TEMPS COEFFICIENT, AUTOCORRELATION; AUTOCORRELATION BIAIS-RESIDUEL; SERIE CHRONOLOGIQUE; TEST DE TENDANCE; TEST D' INDEPENDANCE; MODELE HYDROLOGIE; MODELE CEQUEAU; MODELE DETERMINISTE; COUPLAGE QUANTITE-QUALITE; RESEAU HYDROLOGIE; ACQUISITION-DE-DONNEES.

ADHESIVES

MELOCHE PH : FORINTEK CANADA CORP. IS A PRIVATE, NON-PROFIT RESEARCH AND DEVELOPMENT CORPORATION ACTIVELY ENGAGED IN ALL MAJOR SCIENTIFIC AND TECHNICAL DISCIPLINE RELATED TO WOOD PRODUCTS: SAWMILLING; SEASONING; MACHINING; COMPOSITE PRODUCTS; ADHESIVES; WOOD BASED ENERGY AND CHEMICALS; HOUSING MATERIALS SCIENCE; TIMBER ENGINEERING; WOOD PRESERVATION; FIRE RETARDANTS AND THE WOOD SCIENCES. ASSISTANCE AND EXPERT ADVICE ARE AVAILABLE TO FOREST PRODUCTS INDUSTRIES, GOVERNMENT AGENCIES, TRADE ASSOCIATIONS, CONSULTANTS, EQUIPMENT MANUFACTURERS, EDUCATIONAL INSTITUTIONS AND THE GENERAL PUBLIC.

AERIAL-PHOTO

FORMAN RM : AERIAL-PHOTO INTERPRETATION: MILITARY PHOTO INTELLIGENCE; METEOROLOGICAL SATELLITE PHOTO INTERPRETATION: REPRODUCTION AND DISTRIBUTION OF WEATHER SATELLITE IMAGERY: FACSIMILE TRANSMISSION AND RECEPTION EQUIPMENTS: PUBLISHED A GUIDE TO THE INTERPRETATION OF SATELLITE CLOUD PHOTOS.
MOORE WC : SATELLITE IMAGE & AERIAL-PHOTO INTERPRETATION TECHNIQUES FOR ECONOMIC & OPERATIONAL MAPPING OF SIGNIFICANT DEPLETIONS IN FOREST RESOURCE INVENTORIES FOR GEOGRAPHIC INFORMATION SYSTEM INPUTS IN COLLABORATION WITH OTHER JURISDICTIONS.
SIMS RA : VEGETATION AND SITE-CLASSIFICATION OF BOREAL-FORESTS. SUBARCTIC WETLAND AND ARCTIC TUNDRA AREAS. FOREST-ECOSYSTEM CLASSIFICATION OF BOREAL NORTHERN ONTARIO. REMOTE-SENSING FOR VEGETATION STUDY; MAPPING AND INVENTORY (USING SATELLITE AND AERIAL-PHOTO DATA).

AERIAL-PHOTOGRAPHY

GERATH RF : AERIAL-PHOTOGRAPHY INTERPRETATION FOR GEOTECHNICAL ENGINEERING AND RELATED ENVIRONMENTAL STUDIES. SPECIALIST IN ROUTE/SITE-LOCATION STUDIES, LANDSLIDES AND SNOW AVALANCHE HAZARD EVOLUTIONS.

AERIAL-PHOTOGRAPHY

HALL RJ : LARGE-SCALE PHOTOGRAPHY & DIGITAL IMAGE ANALYSIS RESEARCH, PHOTO-MENSURATION, AERIAL-PHOTOGRAPHY SYSTEMS & INSTRUMENTATION DEVELOPMENT (EG. CAMERA CONTROL), STATISTICAL & SAMPLING DESIGN & ANALYSIS, AERIAL PHOTO FLIGHT PLANNING, TECHNOLOGY-TRANSFER.

MACLOCK B : FLOODPLAIN MANAGEMENT: INCLUDES FLOOD RISK MAPPING & FLOOD DAMAGE ESTIMATES. FLOOD PROOFING & FLOOD WARNING: TO REDUCE FLOOD DAMAGE POTENTIAL. DRAINAGE & WETLAND MANAGEMENT: MULTIDISCIPLINARY METHODS IN THE CONTEXT OF ECONOMIC EFFICIENCY AND ENVIRONMENTAL NEEDS. MEASURING AMOUNTS AND TYPES OF WETLANDS USING SATELLITE, REMOTE-SENSING & COLOUR-INFRARED AERIAL-PHOTOGRAPHY.

MURTHA PA : REMOTE-SENSING & PHOTO INTERPRETATION: APPLICATION OF AERIAL-PHOTOGRAPHY, MULTISPECTRAL SCANNER, IMAGERY AND SATELLITE DATA FOR VEGETATION DAMAGE ASSESSMENT (INSECTS, DISEASE, AIR-POLLUTION) OR LAND-CLASSIFICATION AND TERRAIN ANALYSIS; COLOUR-INFRARED PHOTOGRAPHS; PC BASED IMAGE-ANALYSIS LANDSAT.

AEROSOL

BARRIE LA : ATMOSPHERIC CYCLE OF TRACE CONSTITUENTS. STUDY OF ACID-RAIN PHENOMENA ON A REGIONAL SCALE & ARCTIC AIR POLLUTION ON AN HEMISPHERIC SCALE. COMPUTER MODEL OF ARCTIC AIR-POLLUTION USED TO INVESTIGATE COMPLEX INTERACTIONS OF TRANSPORT, TRANSFORMATION & REMOVAL. ROUTINE AEROSOL SCIENCE MEASUREMENTS ARE MADE IN THE CANADIAN ARCTIC. RELATIONSHIP BETWEEN AIR & PRECIPITATION TRACE ELEMENTAL COMPOSITION & POLLUTANT ORIGIN UNDER INVESTIGATION.

ISAAC GA : RESEARCH ON CLOUD PHYSICS, CLOUD CHEMISTRY, AEROSOL PHYSICS, ACID-RAIN, MESOSCALE METEOROLOGY, WEATHER RADAR, WEATHER MODIFICATION, CLOUD CLIMATOLOGY & AIRCRAFT METEOROLOGICAL INSTRUMENTATION.

MAYBANK J : RESEARCH IN CLOUD PHYSICS, INCLUDING WEATHER MODIFICATION AND IMPACT-ASSESSMENT FOR AGRICULTURE; AEROSOL AND SPRAY DROPLET DISSEMINATION, ESPECIALLY RELATED TO PESTICIDE SPRAY APPLICATION AND SPRAY DRIFT; AGROCLIMATOLOGY AND AIR-POLLUTION.

MELO OT : AEROSOL SCIENCE. NUCLEPORE-FILTER TECHNIQUE. PLUME CHEMISTRY RESEARCH. STUDIES OF CLOUD PHYSICS AND CHEMISTRY ASPECTS OF ACID-RAIN.

AGRICULTURE

BOUCHARD R : CARTOGRAPHIE DES PARAMETRES ENVIRONNEMENTAUX DE L' ELEVAGE DU PORC A PARTIR D'UN SYSTEME D' INFORMATION A REFERENCE SPATIALE. CLASSIFICATION GENETIQUE DES CLIMATS DU SAGUENAY, LAC-ST-JEAN. L' AGRICULTURE A SAINTE-CATHERINE DE PORTNEUF: POLLUTANT DES SOURCES D' EAU-POTABLE. LES DEPOTOIRS DE NEIGE USEE DE CHICOUTIMI.

BRYANT CR : RURAL DEVELOPMENT AND RURAL LAND-USE MANAGEMENT, ESPECIALLY IN RELATION TO AGRICULTURE AND RELATIONSHIPS WITH URBAN SYSTEMS. RURAL INFORMATION-SYSTEMS. RURAL DEVELOPMENT WITHIN REGIONAL DEVELOPMENT. RURAL RESOURCE CONSERVATION.

DE'ATH CE : KOREA: RESEARCH ON POPULATION, AIR & WATER-QUALITY, NUCLEAR-WASTE, AGRICULTURE & INDUSTRIAL POLLUTION WILDLIFE. PAPUA-NEW-GUINEA: MANUS-ISLAND & FORESTRY DEVELOPMENT IMPACTS. CANADA: SOCIAL & ENVIRONMENTAL-ASSESSMENT (LAKE EUGENIA, NWT), ENERGY EDUCATION IN ONTARIO, MINING IN WINDIGO TRIBAL AREA OF NORTHERN ONTARIO.

FINDLAY RL : RESEARCH IN ACID-DEPOSITION & ITS EFFECTS, FOREST & AGRICULTURE RECLAMATION; OIL & SALT WATER SPILL RECLAMATION; IMPACT-ASSESSMENT FOR OIL & GAS DEVELOPMENT; DECOMMISIONING PROGRAMS.

JOBIN LJ : DEVELOPPEMENT DE PIEGES A INSECTES ET DE RESEAUX PERMETTANT LA DETECTION ET LA SURVEILLANCE D' INSECTES INVISIBLES AUX FORETS ET A L' AGRICULTURE. PIEGES A PHEROMONES SEXUELLES ET PIEGES-LUMINEUX. ENTOMOLOGIE FORESTIERE. PROTECTION DES FORETS.

KAUSHIK N : AQUATIC BIOLOGY; HEADWATER STREAMS; IMPACT OF AGRICULTURE ON STREAM ENVIRONMENTS; ALLOCHTHONOUS ORGANIC MATTER IN STREAMS; ECOTOXICOLOGY; USE OF LIMNOCORRALS IN ASSESSMENT OF PESTICIDES ON AQUATIC ENVIRONMENTS.

KHAN AW : ANAEROBIC CONVERSION OF CELLULOSIC WASTE OBTAINED FROM FORESTRY, AGRICULTURE, FARM, PAPER AND FOOD INDUSTRY AS WELL AS INDUSTRIAL AND MUNICIPAL SOLID-WASTE, TO FUELS AND CHEMICAL FEED STOCK.

KITCHEN CM : APPLICATION OF ENVIRONMENTAL SCIENCES TO PLANNING AND DESIGN ENGINEERING, DECISION MAKING; ENVIRONMENTAL-ASSESSMENT; SOILS & AGRICULTURE; FORESTRY, RECREATION, RESOURCE-MANAGEMENT. NATURAL AREAS RESEARCH.

LOUIE RH : BIOPHYSICAL SURVEYS (SOILS, SURFICIAL GEOLOGY, VEGETATION, WILDLIFE HABITAT, CLIMATE), LAND USE IN BRITISH-COLUMBIA & APPLICATIONS FOR AGRICULTURE, FORESTRY, WILDLIFE, WATER, FISH & OTHER LAND USE PLANNING, ASSESSMENT AND MONITORING. BASE MAP PRODUCTION (TOPOGRAPHIC, PLANIMETRIC AND CADASTRAL). REMOTE-SENSING.

MAYBANK J : RESEARCH IN CLOUD PHYSICS, INCLUDING WEATHER MODIFICATION AND IMPACT-ASSESSMENT FOR AGRICULTURE; AEROSOL AND SPRAY DROPLET DISSEMINATION, ESPECIALLY RELATED TO PESTICIDE SPRAY APPLICATION AND SPRAY DRIFT; AGROCLIMATOLOGY AND AIR-POLLUTION.

MURRAY DR : INVENTORY OF CANADIAN ACTIVITIES RELATED TO SOIL & WATER LIMITATIONS, DEGRADATION, CONSERVATION, IMPROVEMENT, RECLAMATION. ACTIVITIES ASSOCIATED WITH MINING, AGRICULTURE, FORESTRY, ENERGY, TRANSPORTATION, CONSTRUCTION, ETC.

PARMELEE JA : TAXONOMIC RESEARCH IN PARASITIC FUNGI (RUSTS, SMUTS AND MILDEWS) OF VASCULAR PLANTS. STUDIES INCLUDE REVIEWS ON GEOGRAPHIC DISTRIBUTION AND LIFE-HISTORIES. RELATED WORK INVOLVES CREATION OF THE NATIONAL MYCOLOGICAL HERBARIUM A COLLECTION OF 250,000 DRIED FUNGUS SPECIMENS OF IMPORTANCE TO AGRICULTURE AND FORESTRY.

AGRICULTURE

PREVOST C : LA TELEDETECTION; L' AGRICULTURE ET LA TELEDETECTION (APPLICATION EN AFRIQUE). SURVEILLANCE DES RESSOURCES EN EAU SAHEL PAR TELEDETECTION.
PROTZ R : SOIL GENESIS & CLASSIFICATION. SOIL FORMATION IN THE HUDSON & JAMES-BAY LOWLANDS. REMOTE-SENSING APPLICATIONS TO SOILS & AGRICULTURE. SOIL BIOLOGY & MICROPEDOLOGY.
RAAD AWNI T : MONITORING OF SOIL & WATER-CONTAMINATION RESULTING FROM AGRICULTURE BASED ACTIVITIES.
SLATER GP : DETERMINATION OF VOLATILE ORGANIC-COMPOUNDS (POLLUTANTS OR NATURALLY OCCURRING) IN WATER. DETERMINATION OF VOLATILE PLANT PRODUCTS. ANALYSIS BY GAS-CHROMATOGRAPHY, MASS-SPECTROSCOPY. AGRICULTURE WASTE-TREATMENT.
TRUDEL MJ : LA FACULTE DES SCIENCES DE L' AGRICULTURE ET DE L' ALIMENTATION DE L' UNIVERSITE LAVAL REALISE UNE VINGTAINE DE PROJETS DE RECHERCHE RELIES A L' ENVIRONNEMENT NOTAMMENT SUR LES SUJETS SUIVANTS: TRAITEMENT ET MANUTENTION DES LISIERES ET FUMIERS, EPURATION-DES-EAUX-USEES, CONSERVATION DES SOLS, BILAN HYDRIQUE DES SOLS, PERSISTANCE DES PESTICIDES, ZONAGE BIOCLIMATIQUE.
WHEATOON EE : APPLIED CLIMATOLOGY, ESPECIALLY IN AGRICULTURE; DUST STORMS & WIND EROSION. ENVIRONMENTAL-IMPACT-ASSESSMENTS DESCRIPTIVE CLIMATOLOGY, AIR-POLLUTION CLIMATOLOGY, CLIMATIC VARIATION AND CHANGE, ENERGY CLIMATOLOGY.

AGROCLIMATOLOGY

MAYBANK J : RESEARCH IN CLOUD PHYSICS, INCLUDING WEATHER MODIFICATION AND IMPACT-ASSESSMENT FOR AGRICULTURE; AEROSOL AND SPRAY DROPLET DISSEMINATION, ESPECIALLY RELATED TO PESTICIDE SPRAY APPLICATION AND SPRAY DRIFT; AGROCLIMATOLOGY AND AIR-POLLUTION.

AGROECOSYSTEM

HILL SB : AGROECOSYSTEM DESIGN FOR SUSTAINABILITY, NOURISHMENT AND FULFILLMENT. ECOLOGICAL PEST CONTROL AND SOIL MANAGEMENT. ENVIRONMENTAL-IMPACT ON SOIL SYSTEMS. POLICY, PLANNING AND IMPLEMENTATION OF SUSTAINABLE LIFESTYLES.

AGROFORESTRY

JORGENSEN E : SILVICULTURE, ARBORICULTURE AND AGROFORESTRY WITH AN EMPHASIS ON URBAN FORESTRY SPECIES SELECTION, CULTURAL TECHNIQUES AND DISEASE CONTROL.

AGROMETEOROLOGY

CLARK JS : DIRECTOR OF THE LAND RESOURCE RESEARCH CENTRE. HAS RESPONSIBILITY FOR NATIONAL SOIL SURVEY PROGRAMS AND FOR RESEARCH AND DEVELOPMENT IN SOIL PHYSICS, CHEMISTRY, MINERALOGY AND MICROBIOLOGY, AGROMETEOROLOGY AND LAND USE AND EVALUATION.
SHEWCHUK SR : ATMOSPHERIC-SCIENCES RESEARCH INCLUDING ACID-RAIN STUDIES, GENERAL AIR-POLLUTION AND AGROMETEOROLOGY RESEARCH.

AIR

BARRIE LA : ATMOSPHERIC CYCLE OF TRACE CONSTITUENTS. STUDY OF ACID-RAIN PHENOMENA ON A REGIONAL SCALE & ARCTIC AIR POLLUTION ON AN HEMISPHERIC SCALE. COMPUTER MODEL OF ARCTIC AIR-POLLUTION USED TO INVESTIGATE COMPLEX INTERACTIONS OF TRANSPORT, TRANSFORMATION & REMOVAL. ROUTINE AEROSOL SCIENCE MEASUREMENTS ARE MADE IN THE CANADIAN ARCTIC. RELATIONSHIP BETWEEN AIR & PRECIPITATION TRACE ELEMENTAL COMPOSITION & POLLUTANT ORIGIN UNDER INVESTIGATION.
BIENVENUE M : DETERMINATION DE LA TOXICITE D' EFFLUENTS ET DECHETS-DANGEREUX. DEVELOPPEMENT ET EVALUATION DE SYSTEME DE TRAITEMENT D' EFFLUENTS LIQUIDES ET SOLIDES. RECHERCHE SUR LA VALIDITE ET LA PERTINENCE DES METHODES D' EVALUATION. MESURE DE LA QUALITE DE L' AIR AMBIANT ET AU MILIEU DE TRAVAIL.
BOSSERT JA : EXPLOSIVE ATMOSPHERES CONSISTING OF GASES, VAPOUR AND DUSTS IN AIR; FIRE RESISTANCE OF MATERIALS USED IN CONFINED LOCATIONS (UNDERGROUND MINES), TOXIC EFFECTS OF DIESEL EXHAUST IN CONFINED LOCATIONS & DIESEL EXHAUST TREATMENT DEVICES.
BOSTON NEJ : PHYSICAL OCEANOGRAPHY; AIR & SEA INTERACTION AND TURBULENCE; MICROMETEOROLOGY OIL-SPILL CONTINGENCY-PLANNING; PLANNING AND EXECUTION OF INTERNATIONAL RESEARCH PROGRAMS: TEACHING OF UNDERGRADUATE GRADUATE OCEANOGRAPHY COURSES; DEVELOPMENT OF OCEANOGRAPHY PROGRAMS FOR DEVELOPING-COUNTRIES AND UNIVERSITIES. RESOURCE DATA-BASE DEVELOPMENT. COMPUTERIZED RESOURCE & SENSITIVITY-MAPPING.
BOWEN RP : RESEARCH TO PROVIDE THE KNOWLEDGE BASE REQUIRED FOR THE DESIGN AND OPERATION OF BUILDING SERVICES INCLUDING VENTILATION AND AIR MOVEMENT, SMOKE CONTROL IN TALL BUILDINGS, LIGHTING AND ADVANCED TECHNOLOGY IN BUILDINGS AS WELL AS FOR THE DESIGN OF THE BUILDING ENVELOPE FOR THE CONTROL OF HEAT, AIR AND MOISTURE,
BROWN WFM : INDUSTRIAL ENVIRONMENTAL-PLANNING AND CONTROL. AIR, WATER AND SOLID AND LIQUID-WASTE. BUFFER AREAS, LANDSCAPING.

AIR

CLEMENT RE : IMPROVED ANALYTICAL METHODS FOR THE QUALITATIVE & QUANTITATIVE ANALYSIS OF AIR, WATER, SOIL, BIOTA & INDUSTRIAL EFFLUENTS USING GAS-CHROMATOGRAPHY MASS-SPECTROMETRY. SPECIAL EMPHASIS ON ULTRA-TRACE ANALYSIS OF CHLORINATED DIBENZO-P-DIOXINS & CHLORINATED DIBENZOFURANS.

DAVIDSON WR : MANAGER OF RESEARCH AND DEVELOPMENT INCLUDING METHOD AND APPLICATION DEVELOPMENT ORIENTED TOWARDS THE ENVIRONMENTAL MARKET. AREAS OF CURRENT INTEREST INCLUDE DIOXINS, PESTICIDES, PRIORITY POLLUTANTS AND TOXICS IN AIR: IN ALL CASES, TANDEM MASS-SPECTROMETRY IS USED AS THE ANALYTICAL TOOL.

DE'ATH CE : KOREA: RESEARCH ON POPULATION, AIR & WATER-QUALITY, NUCLEAR-WASTE, AGRICULTURE & INDUSTRIAL POLLUTION WILDLIFE. PAPUA-NEW-GUINEA: MANUS-ISLAND & FORESTRY DEVELOPMENT IMPACTS. CANADA: SOCIAL & ENVIRONMENTAL-ASSESSMENT (LAKE EUGENIA, NWT), ENERGY EDUCATION IN ONTARIO, MINING IN WINDIGO TRIBAL AREA OF NORTHERN ONTARIO.

DENMAN EW : AIR & WATER-POLLUTION; SOLID-WASTE MANAGEMENT; INDUSTRIAL-HYGIENE; COMPUTER APPLICATIONS; CHEMICAL ENGINEERING.

DICK TM : HYDRAULICS RESEARCH RELATED TO THE ENVIRONMENT: RIVER MECHANICS, DISPERSION SEDIMENT TRANSPORT, RIVER ICE, AIR, WATER INTERACTIONS, WAVE GENERATION, COASTAL ENGINEERING, SEDIMENTOLOGY, URBAN WATER-RESOURCES.

EAST C : METEOROLOGIE DE LA POLLUTION DE L' AIR TRANSPORT E DIFFUSION DES POLLUANTS.

FARKAS EJ : NATURAL-GAS TRANSMISSION BY PIPELINE, NATURAL-GAS METERING AT HIGH PRESSURE, USE OF NATURAL-GAS AS A MOTOR-VEHICLE FUEL; SOLID, LIQUID, AND NUCLEAR-WASTE MANAGEMENT; AIR AND WATER-POLLUTION, ION-EXCHANGE.

FORCIER A : WATER TESTING; AIR SAMPLE ANALYSIS; ACOUSTICAL LAB AND FIELD TESTING; NOISE CONTROL AND ABATEMENT.

GROVER R : TRANSPORT OF HERBICIDES IN AIR, WATER & SOIL. EXPOSURE ESTIMATES OF APPLICATORS TO HERBICIDES. MASS BALANCE OF HERBICIDES AFTER APPLICATION ON FIELD SCALE. AIR-MONITORING OF HERBICIDES. HERBICIDE DRIFT ESTIMATES DURING APPLICATION.

HARRIS IWE : TECHNOLOGY, ENGINEERING AND REGULATIONS RELATING TO OCCUPATIONAL-HEALTH, WASTE-MANAGEMENT (AIR, WATER, LAND) AND PRODUCT LIABILITY. SYNTHETIC ELASTOMERS AND RESINS.

HOWARD TE : INDUSTRIAL-HYGIENE. ENVIRONMENTAL HEALTH STUDIES. AIR-POLLUTION STUDIES: IMPACT OF AIR EMISSIONS, ACID-RAIN, ODOUR CONTROL. MODELLING ATMOSPHERIC DISPERSION OF AIR-POLLUTANTS. WATER STUDIES. UPTAKE OF METALS BY AQUATIC ORGANISMS. BIOASSAYS. WASTEWATER-TREATMENT. REMOTE-SENSING. LANDFILL LEACHATE CONTROL.

KENNEY BC : PHYSICAL LIMNOLOGY OF PRAIRIE LAKES INCLUDING ASPECTS OF AIR & WATER INTERACTION, MIXING AND TURBULENCE, SEDIMENT RESUSPENSION AND LARGE SCALE LAKE CIRCULATION. EUTROPHICATION AND PHOSPHORUS DYNAMICS MODELS. WATER CIRCULATION UNDER WINTER ICE.

KRZYMIEN ME : TRACE ANALYSIS OF ORGANIC AIR-POLLUTANTS. SAMPLE PRECONCENTRATION FOR ANALYSIS OF TRACE ORGANICS IN AIR. IDENTIFICATION OF EMISSIONS FROM SYNTHETIC BUILDING MATERIALS.

KURYS JG : TOXICOLOGICAL EVALUATION OF VOLATILE CHEMICALS IN AMBIENT AIR FOR EFFECTS USING HUMAN FAT & MILK; BOVINE-FAT & MILK; PORCINE-FAT & AVIAN SPECIES FOR RESIDUE ANALYSIS; RAW MILK; RAW & TREATED WATER; SOIL & VEGETABLES. SECOND PART OF RESEARCH CARRIED OUT ON METABOLIC PROCESSES AND THEIR MODE OF ACTION.

LECHNER LJ : IN CHARGE OF THE AIR-POLLUTION CONTROL PROGRAM IN SASKATCHEWAN WHICH DEALS WITH THE CONTROL OF AIR CONTAMINANTS FROM INDUSTRY.

LINKERT WG : CHEMICAL-ANALYSIS OF SOP AIR FOR FUMES, SOLVENTS, & DUST ETC; TURBINE EXHAUST FOR NOX, WASTEWATER AND OIL FOR PCB.

MACPHERSON JI : OPERATE NRC TWIN OTTER ATMOSPHERIC RESEARCH AIRCRAFT IN FOLLOWING TYPES OF EXPERIMENTS: WEATHER MODIFICATION, AIR SAMPLING, TURBULENCE RESEARCH, CO2-FLUX MEASUREMENT, ACID-RAIN RESEARCH.

MCANDLESS JM : ADVANCED AIR & WATER SAMPLING TECHNOLOGY PARTICULARLY AUTOMATED SAMPLING & ANALYSIS SYSTEM BASED ON SOLIO-SORBENT SAMPLING TUBES. INSTRUMENTAL ANALYSES (GC, HPLC, GCMS) OF ENVIRONMENTAL SAMPLES, BIOLOGICAL MATRICES & FIELD TRIAL SAMPLES.

MERANGER JC : CHARACTERIZATION OF FIBROUS DUSTS INCLUDING ASBESTOS. ANALYSIS OF WATER, AIR AND BIOLOGICAL SAMPLES. EFFECTS OF ACIDIC-DEPOSITION ON QUALITY OF DRINKING-WATER (TRACE-ELEMENT CONTAMINATION). TRACE-ELEMENT METHOD DEVELOPMENT.

MOSELHY MM : ENVIRONMENTAL RESEARCH PLANNING. POLICY ANALYSIS. AIR, WATER, WASTE POLLUTION ANALYSIS; EFFECTS. ANALYTICAL-CHEMISTRY. ATOMIC EMISSION SPECTROSCOPY MULTIELEMENTAL ANALYSIS.

PAULIN G : INVENTAIRE DE DOXINES & FURANNES, EFFETS SUR LA SANTE, INVENTAIRE SUR LES COMPOSES-ORGANIQUES-VOLATILS; ETUDES SUR LES HYDROCARBURES-POLYNUCLEAIRES-AROMATIQUES, ETUDES SUR LE BRUIT-COMMUNAUTAIRE, EVOLUTION DE LA QUALITE DE L' AIR AU QUEBEC, EFFET DU CHAUFFAGE-AU-BOIS.

PROKOPUK R : FOSSIL FUELS FOR HEATING, POWER GENERATION AND PROCESS APPLICATIONS: ENVIRONMENTAL-ASSESSMENT: AIR, WATER AND SOIL POLLUTION FROM STATIONARY AND MOBILE SOURCES; ANALYTICAL LABORATORY TECHNIQUES.

PUPP C : ENVIRONMENTAL ANALYTICAL-CHEMISTRY. AIR-MONITORING. REVIEW & SYNOPSIS OF GROUNDWATER CONTAMINATION & USE; AIR OXIDANTS AND AIR OXIDANTS AND TOXICS.

ROBEY HL : INDUSTRIAL LIQUID AND SOLID WASTE-TREATMENT AND RECOVERY. WET AIR OXIDATION AND HIGH TEMPERATURE & PRESSURE CYANIDE HYDROLYSIS PROCESS APPLICATIONS RESEARCH. PROCESS DESIGN AND START-UP OF FULL SCALE SYSTEMS.

SCHROEDER WH : ATMOSPHERIC-CHEMISTRY; PHOTOCHEMISTRY; MERCURY & ITS COMPOUNDS IN THE ENVIRONMENT; HEAVY-METALS & AMBIENT AIR; SAMPLING & ANALYSIS OF TRACE-ELEMENTS; TOXIC-CHEMICALS: ATMOSPHERIC SOURCES, TRANSPORT, TRANSFORMATION, REMOVAL & ENVIRONMENTAL FATE.

AIR

SEIF F : ORGANIC-CHEMISTRY. ENVIRONMENTAL-PROTECTION PARTICULARLY RELATED TO AIR AND WASTE-MANAGEMENT. ENVIRONMENTAL-MANAGEMENT; R&D ENVIRONMENTAL SCIENCES; ENVIRONMENTAL-AUDITING.
SHAW GG : DETERMINING THE CONCENTRATION OF SULPHUR, METALS & PESTICIDES IN SOIL, AIR, WATER, VEGETATION & ANIMALS & THE EFFECTS OF THOSE CHEMICALS & ELEMENTS ON PLANTS & ANIMALS THROUGH EXPERIMENTS & STATISTICAL-ANALYSIS.
SIEBERT H : ENVIRONMENTAL-MONITORING OF PLANT, AIR & WATER EFFLUENTS. SUGGESTING REMEDIAL CORRECTIVE ACTIONS ON VIOLATIONS.
SLIWINSKI JF : FIRM SPECIALIZES IN PROVIDING ANALYTICAL SERVICES IN ENVIRONMENTAL CHEMISTRY OF GROUND, SURFACE & WASTEWATER, SOILS, SEDIMENTS, BIOTA & AIR SAMPLES AIR SAMPLES. CONDUCTS RESEARCH INTO IMPROVING MEASURING EQUIPMENT, METHODS, PROTOCOLS AND DATA-MANAGEMENT.
STECHISHEN E : USE AND EFFECTIVENESS OF FOREST FIRE RETARDANTS; USE OF AIR TANKERS AND THEIR EFFECTIVENESS IN FOREST FIRE SUPPRESSION.
STEPHENSON GR : STUDIES ON THE FATE OF HERBICIDES IN SOIL, WATER, AIR & PLANTS.
STRACHAN WMJ : ENVIRONMENTAL CYCLING OF TOXIC-CHEMICALS ESPECIALLY WATER & AIR INTERCHANGE & SORPTION BEHAVIOUR.
VILLARD S : LONG-RANGE-TRANSPORT-OF-AIR-POLLUTION. METHODOLOGIES FOR ANALYSIS OF PRECIPITATION & AIR. METHOD DEVELOPMENT FOR ANALYSIS OF WATER, AIR, SOILS, BIOTA.
WEAVER RS : MANAGEMENT OF RESEARCH IN THE FOLLOWING AREAS: AIR, WATER AND SOIL-ANALYSES; EFFECTS OF ENVIRONMENTAL-CONTAMINANTS IN AIR, WATER AND SOIL ON PLANTS, WILDLIFE AND DOMESTIC ANIMALS, AQUATIC VERTEBRATES AND INVERTEBRATES, AND MICRO-ORGANISMS; HAZARDOUS-WASTE DISPOSAL.

AIR-MONITORING

GROVER R : TRANSPORT OF HERBICIDES IN AIR, WATER & SOIL. EXPOSURE ESTIMATES OF APPLICATORS TO HERBICIDES. MASS BALANCE OF HERBICIDES AFTER APPLICATION ON FIELD SCALE. AIR-MONITORING OF HERBICIDES. HERBICIDE DRIFT ESTIMATES DURING APPLICATION.
HOLFORD RW : DEVELOPMENT OF INSTRUMENTS FOR AIR-MONITORING FOR RADIO-IODINES. COMPUTER PROCESSING OF PERSONAL DOSIMETRIC & ENVIRONMENTAL DATA.
LOVETT AM : AIR-MONITORING & SAMPLING INLET ENGINEERING.
MAKHIJA R : METHOD DEVELOPMENT IN METALLURGICAL EFFLUENTS, AIR-MONITORING, CHEMICAL AUDIT, IDENTIFICATION OF TOXIC-CHEMICALS AND THEIR ANALYSIS. WASTE-MANAGEMENT STUDIES INCLUDING, SEMINARS, WORKSHOPS; SPILL CONTROL, HAZARDOUS-WASTE METHODS DEVELOPMENT, OCCUPATIONAL-HEALTH AND SAFETY, LANDFILL MONITORING, WATER-QUALITY, SOLID-WASTE SAMPLING AND ANALYSIS.
MCADIE HG : AIR-MONITORING SURVEYS. ANALYTICAL METHODS FOR AIR-POLLUTION MEASUREMENT. ATMOSPHERIC TRANSPORT. INTERNATIONAL STANDARDS.
PUPP C : ENVIRONMENTAL ANALYTICAL-CHEMISTRY. AIR-MONITORING. REVIEW & SYNOPSIS OF GROUNDWATER CONTAMINATION & USE; AIR OXIDANTS AND AIR OXIDANTS AND TOXICS.

AIR-POLLUTANTS

FORESTER AJ : METALS IN AQUATIC-ECOSYSTEMS. IMPACT OF AIR-POLLUTANTS ON HEALTH AND ENVIRONMENT, INCLUDING DEVELOPING-COUNTRIES. ENVIRONMENTAL-IMPACT OF NUCLEAR WARFARE. SCIENCE AND POLICY.
HOGAN GD : INVESTIGATION OF INTERACTION BETWEEN ENVIRONMENTAL CHEMICAL (IE. AIR-POLLUTANTS) AND PHYSICAL (IE. DROUGHT) FACTORS ON THE PHYSIOLOGICAL RESPONSE OF NATIVE FOREST SPECIES.
HOWARD TE : INDUSTRIAL-HYGIENE. ENVIRONMENTAL HEALTH STUDIES. AIR-POLLUTION STUDIES: IMPACT OF AIR EMISSIONS, ACID-RAIN, ODOUR CONTROL. MODELLING ATMOSPHERIC DISPERSION OF AIR-POLLUTANTS. WATER STUDIES. UPTAKE OF METALS BY AQUATIC ORGANISMS. BIOASSAYS. WASTEWATER-TREATMENT. REMOTE-SENSING. LANDFILL LEACHATE CONTROL.
KRZYMIEN ME : TRACE ANALYSIS OF ORGANIC AIR-POLLUTANTS. SAMPLE PRECONCENTRATION FOR ANALYSIS OF TRACE ORGANICS IN AIR. IDENTIFICATION OF EMISSIONS FROM SYNTHETIC BUILDING MATERIALS.
LINZON SN : EFFECTS OF AIR-POLLUTANTS INCLUDING ACID-RAIN ON VEGETATION. RESULTS OF STUDIES ARE USED TO CONTROL EMISSIONS AT SOURCES.
PEARSON RG : PRACTICAL RESEARCH & FIELD SURVEYS ON EFFECTS OF AIR-POLLUTANTS ON TERRESTRIAL-ECOSYSTEMS IN ONTARIO.
ROBITAILLE G : EFFECTS OF PRIMARY & SECONDARY AIR-POLLUTANTS INCLUDING ACID-RAIN ON FORESTS, SOILS, LICHENS & MOSSES; NUTRIENT CYCLING IN FOREST-ECOSYSTEMS; BIOGEOCHEMICAL CYCLES; BIOMONITORING; TREE-RING ANALYSIS IN RELATION TO POLLUTION.
TORRENUEVA AL : MONITORING ENVIRONMENTAL-IMPACT ASSOCIATED WITH CONSTRUCTION & OPERATION OF ELECTRIC GENERATING STATIONS (THERMAL, HYDRAULIC & NUCLEAR). NUCLEAR). RESEARCH ON THE EFFECTS OF ACID-DEPOSITION & OTHER AIR-POLLUTANTS ON BIOLOGICAL SYSTEMS. REVEGETATION OF ASH DISPOSAL AREAS.

AIR-POLLUTION

ALDI RG : ENVIRONMENTAL-ENGINEERING INVOLVING AIR-POLLUTION & AIR-POLLUTION CONTROL. ENVIRONMENTAL-MONITORING & ASSESSMENT. CONTROL DESIGN. INDUSTRIAL ODOUR ANALYSIS & SAMPLING.

AIR-POLLUTION

ANLAUF K : MEASUREMENT OF AMBIENT ATMOSPHERIC-POLLUTANTS RELATED TO ACIDIC-PRECIPITATION, OXIDANTS & SMOG. OXIDATION OF SULPHUR-DIOXIDE TO SULPHATE & NITROGEN-DIOXIDE TO NITRIC-ACID; ATMOSPHERIC PARTICULATE MATTER & ITS MEASUREMENT. TRANSPORT OF AIR-POLLUTION & ITS CHEMICAL TRANSFORMATION. OZONE.

BARCLAY-ESTRUP P : VEGETATION, SOIL, AIR-POLLUTION INTERRELATIONSHIPS, ESPECIALLY BRYOPHYTES AND LICHENS, ACID-PRECIPITATION AND HEAVY-METAL ACCUMULATIONS. GENERAL PLANT ECOLOGY.

BARRIE LA : ATMOSPHERIC CYCLE OF TRACE CONSTITUENTS. STUDY OF ACID-RAIN PHENOMENA ON A REGIONAL SCALE & ARCTIC AIR POLLUTION ON AN HEMISPHERIC SCALE. COMPUTER MODEL OF ARCTIC AIR-POLLUTION USED TO INVESTIGATE COMPLEX INTERACTIONS OF TRANSPORT, TRANSFORMATION & REMOVAL. ROUTINE AEROSOL SCIENCE MEASUREMENTS ARE MADE IN THE CANADIAN ARCTIC. RELATIONSHIP BETWEEN AIR & PRECIPITATION TRACE ELEMENTAL COMPOSITION & POLLUTANT ORIGIN UNDER INVESTIGATION.

CASE JW : AIR-POLLUTION & ACID-PRECIPITATION BIOMONITORING: ENVIRONMENTAL-CONTAMINATION MONITORING PROGRAM DESIGN & IMPLEMENTATION; GEOBOTANICAL-PROSPECTING; MICRO COMPUTER APPLICATIONS FOR DATA COLLECTION, STATISTICAL-ANALYSIS, INFORMATION PRESENTATION & REDUCTION.

CASTLE GSP : TECHNOLOGY OF ELECTROSTATIC PRECIPITATORS FOR AIR-POLLUTION CONTROL. PROBLEMS ASSOCIATED WITH CORONA SUPPRESSION, HIGH RESISTIVITY DUSTS & WIDE PLATE SPACING PRECIPITATORS.

COX RM : EFFECTS OF AIR-POLLUTION ON FOREST PLANT REPRODUCTION & PRODUCTIVITY INCLUDING EFFECTS OF ACID-RAIN OR ACID-FOG & TRACE-ELEMENTS. EVALUATION TRACE-ELEMENT TOLERANCE IN NATIVE PLANTS.

ESPLIN GJ : DEVELOPMENT OF A NEW PROCESS FOR ACID-RAIN NEUTRALIZATION (LABORATORY KINETIC STUDIES). AIR-POLLUTION MONITORING & CONTROL TECHNOLOGIES. TOXIC-WASTE INCINERATION. BIOMASS GASIFICATION. NEW COMBUSTION TECHNOLOGY.

GEMMILL DA : AIR-POLLUTION CONTROL (SOURCE SAMPLING & INDUSTRIAL SOURCE CONTROL). WASTEWATER-TREATMENT, WASTE POLLUTION CONTROL.

HAGE KD : AIR-POLLUTION IN SMALL VALLEYS; URBAN AIR-POLLUTION; DESTRUCTIVE WINDS IN ALBERTA, SASKATCHEWAN; MICROMETEOROLOGY, MESOMETEOROLOGY.

HANSEN KJ : WASTE-MANAGEMENT RELATED TO FLUE-GAS DESULPHURIZATION AND AIR-POLLUTION FROM COAL FIRE THERMAL ELECTRICAL POWER STATIONS.

HOFF RM : USE OF ACTIVE REMOTE-SENSING TECHNIQUES FOR AIR-POLLUTION RESEARCH DEVELOPMENT OF DIAL FOR DETECTION OF SULPHUR-DIOXIDE & OZONE & ACTIVE SPECTROSCOPIC TECHNIQUES.

HOWARD TE : INDUSTRIAL-HYGIENE. ENVIRONMENTAL HEALTH STUDIES. AIR-POLLUTION STUDIES: IMPACT OF AIR EMISSIONS, ACID-RAIN, ODOUR CONTROL. MODELLING ATMOSPHERIC DISPERSION OF AIR-POLLUTANTS. WATER STUDIES. UPTAKE OF METALS BY AQUATIC ORGANISMS. BIOASSAYS. WASTEWATER-TREATMENT. REMOTE-SENSING. LANDFILL LEACHATE CONTROL.

KARIM GA : COMBUSTION & FLAME RESEARCH INCLUDING AIR-POLLUTION FROM COMBUSTION DEVICES WITH SPECIAL ATTENTION TO COLD TEMPERATURE PROBLEMS.

KOCELA RJ : NON-PROFIT CORPORATION AT UNIVERSITY OF WINDSOR CONTRACT RESEARCH: AIR-POLLUTION MEASUREMENT & CONTROL; HYDRAULIC & HYDRODYNAMIC-MODELLING; NOISE & VIBRATION STUDIES & CONTROL; TOXICOLOGY.

LADOCHY S : SYNOPTIC CLIMATOLOGY, ESPECIALLY SEVERE WEATHER, AIR-POLLUTION METEOROLOGY, AND URBAN-CLIMATOLOGY.

LECHNER LJ : IN CHARGE OF THE AIR-POLLUTION CONTROL PROGRAM IN SASKATCHEWAN WHICH DEALS WITH THE CONTROL OF AIR CONTAMINANTS FROM INDUSTRY.

LEY BE : AIR-QUALITY MODELLING INCLUDING SMALL SCALE, MESOSCALE & LONG-RANGE TRANSPORT OXIDANT SIMULATION, MESOSCALE METEOROLOGICAL MODELLING FOR APPLICATION IN AIR-POLLUTION STUDIES. LONG-RANGE-TRANSPORT MODELLING EMPLOYING LAGRANGIAN MODELS.

MAYBANK J : RESEARCH IN CLOUD PHYSICS, INCLUDING WEATHER MODIFICATION AND IMPACT-ASSESSMENT FOR AGRICULTURE; AEROSOL AND SPRAY DROPLET DISSEMINATION, ESPECIALLY RELATED TO PESTICIDE SPRAY APPLICATION AND SPRAY DRIFT; AGROCLIMATOLOGY AND AIR-POLLUTION.

MCADIE HG : AIR-MONITORING SURVEYS. ANALYTICAL METHODS FOR AIR-POLLUTION MEASUREMENT. ATMOSPHERIC TRANSPORT. INTERNATIONAL STANDARDS.

MCCONACHIE CEB : NOISE IMPACT OF AIRCRAFT OPERATION. AIR-POLLUTION DUE TO AIRCRAFT OPERATIONS AT AIRPORTS. MASTER PLANS FOR INTERNATIONAL AIRPORTS FOR JAKARTA, INDONESIA AND CUZCO, PERU. FEASIBILITY STUDY FOR INTERNATIONAL AIRPORT FOR ISLAMABAD, PAKISTAN. ENVIRONMENTAL IMPACT OF STOL OPERATIONS IN MONTREAL AND OTTAWA.

MCKIM MP : DESIGN, DEVELOPMENT & APPLICATION OF WATER & AIR-POLLUTION ABATEMENT DEVICES. EXAMPLES ARE ROTATING BIOLOGICAL CONTACTORS, PHENOL CONTROL, WATER-REUSE SYSTEMS & USE OF PEAT FOR SEWAGE TREATMENT.

MISRA PK : AIR-POLLUTION MODELLING AT ALL SCALES OF MOTION. BOUNDARY LAYER RESEARCH. LONG-RANGE-TRANSPORT MODELLING.

MURTHA PA : REMOTE-SENSING & PHOTO INTERPRETATION: APPLICATION OF AERIAL-PHOTOGRAPHY, MULTISPECTRAL SCANNER, IMAGERY AND SATELLITE DATA FOR VEGETATION DAMAGE ASSESSMENT (INSECTS, DISEASE, AIR-POLLUTION) OR LAND-CLASSIFICATION AND TERRAIN ANALYSIS; COLOUR-INFRARED PHOTOGRAPHS; PC BASED IMAGE-ANALYSIS LANDSAT.

ORMROD DP : RESEARCH ON THE EFFECT OF GASEOUS AIR-POLLUTION & HEAVY-METALS ON PLANTS. STUDIES OF DOSE-RESPONSE RELATIONSHIPS, INJURY MECHANISMS, INTERACTIONS OF POLLUTANTS & ENVIRONMENTAL EFFECTS.

PINSONNAULT J : AIR-POLLUTION MONITORING & CONTROL MOSTLY IN THE AREAS OF SULPHUR-DIOXIDE REDUCED SULPHUR COMPOUNDS & PARTICULATE FROM PULP & PAPER MILLS.

RUNECKLES VC : EFFECTS OF AIR-POLLUTION ON PLANTS. (DIAGNOSIS, BIOMONITORING, DOSE-RESPONSE, MODE OF ACTION.)

AIR-POLLUTION

SANDHU HS : PHOCHEMICAL AIR-POLLUTION & ATMOSPHERIC-CHEMISTRY. ACIDIC-DEPOSITION INCLUDING TRANSPORT.
SHEWCHUK SR : ATMOSPHERIC-SCIENCES RESEARCH INCLUDING ACID-RAIN STUDIES, GENERAL AIR-POLLUTION AND AGROMETEOROLOGY RESEARCH.
SILVERMAN F : RESPIRATORY EFFECTS OF AIR-POLLUTION ON ASTHMATIC AND HEALTHY NON-ASTHMATICS: A) CONTROLLED HUMAN EXPOSURES IN AN ENVIRONMENTAL CHAMBER (OZONE, SULPHUR-DIOXIDE, CIGARETTE-SMOKE), B) DAILY VARIATIONS IN EXPOSURE (INDOOR, OUTDOOR AND PERSONAL MONITORING).
ST PIERRE CC : AIR-POLLUTION CONTROL; WET-SCRUBBERS; SOURCE EMISSION MEASUREMENTS; RISK-ASSESSMENT; INDOOR AIR-POLLUTION MODELLING & MEASUREMENT; QUANTIFICATION OF ODOUR IMPACT LABORATORY ANALYSIS AND DISPERSION MODELLING.
TIMS AJS : ACID-PRECIPITATION MONITORING; PROVINCIAL NETWORK DATA. OZONE MONITORING USING BIOMONITORS. LICHEN & MOSS BIOASSIMILATION OF TRACE-METALS & POLLUTANTS. RESPONSE TO PUBLIC COMPLAINTS OF AIR-POLLUTION INJURY TO VEGETATION.
TOROSSIAN H : METHOD DEVELOPMENT FOR MEASUREMENT OF ATMOSPHERIC-POLLUTANTS. SOURCE TESTING FOR STACK GAS & PARTICULATE EMISSIONS. DESIGN AND SELECTION OF EQUIPMENT FOR AIR-POLLUTION ABATEMENT. MANAGEMENT OF PCB WASTES.
WHEATOON EE : APPLIED CLIMATOLOGY, ESPECIALLY IN AGRICULTURE; DUST STORMS & WIND EROSION. ENVIRONMENTAL-IMPACT-ASSESSMENTS DESCRIPTIVE CLIMATOLOGY, AIR-POLLUTION CLIMATOLOGY, CLIMATIC VARIATION AND CHANGE, ENERGY CLIMATOLOGY.
WILLIAMS DA : AIR-POLLUTION MEASUREMENT: AMBIENT AND SOURCE EMISSION MEASUREMENT. COORDINATION OF OPERATIONS OF NATIONAL AIR-POLLUTION-SURVEILLANCE NETWORK.
YOSHIDA K : HOSPITAL ENVIRONMENTAL HEALTH. APPLICATOR EXPOSURE TO PESTICIDES. HOSPITAL WORKER EXPOSURE TO ANTI NEOPLASTIC DRUGS. HOSPITAL WORKER EXPOSURE TO ETHYLENE-OXIDE, INDOOR AIR-POLLUTION & HEALTH EFFECTS. WORKER EXPOSURE TO DISOLYANATES IN AUTO BODY REPAIR SHOPS.

AIR-QUALITY

BLOXAM RM : APPLIED ATMOSPHERIC MODELLING. LONG-RANGE-TRANSPORT RELATED TO EITHER AIR-QUALITY OR TO DRY & WET DEPOSITION. SHORT RANGE AIR-QUALITY MODELLING.
DAINTY ED : DEVELOPMENT OF DIESEL EMISSION REDUCTION DEVICES FOR USE ON UNDERGROUND MINING VEHICLES (SUCH AS FILTERS AND SCRUBBERS), PROMOTION OF RATIONAL DIESEL EMISSIONS TOXICITY CRITERION FOR UNDERGROUND VENTILATION PRESCRIPTION, AND PROMOTION OF THIS CRITERION (AIR-QUALITY INDEX; AQI) FOR RATIONAL SELECTION OF ENGINES AND REDUCTION DEVICES FOR USE UNDERGROUND AND IN OTHER CONFINED ENVIRONMENTS WHERE DIESEL ENGINES ARE EMPLOYED. AMBIENT MONITORING OF DIESEL POLLUTANTS.
DUNCAN CE : AIR-QUALITY & PRECIPITATION QUALITY MONITORING, ACID-RAIN MATHEMATICAL-MODELLING, METEOROLOGY, CONTROL & PROCESS TECHNOLOGY, HAZARDOUS CONTAMINANTS, STANDARD SETTING & REGULATION, SOURCE ASSESSMENT & MEASUREMENTS, VEHICLE EMISSIONS, SOILS & VEGETATION ASSESSMENT, PLANT PATHOLOGY EMERGENCY RESPONSE.
ENGLISH M : DETERMINATION THROUGH AIRCRAFT MEASUREMENTS OF THE TRANSPORT, DIFFUSION & TRANSFORMATION RATES OF SULPHUR & NITRIC-OXIDES EMITTED FROM OIL-SANDS EXTRACTION PLANTS IN NORTHERN ALBERTA. STUDY OF THE EFFECT OF URBAN AIR-QUALITY ON VISIBILITY.
LEY BE : AIR-QUALITY MODELLING INCLUDING SMALL SCALE, MESOSCALE & LONG-RANGE TRANSPORT OXIDANT SIMULATION, MESOSCALE METEOROLOGICAL MODELLING FOR APPLICATION IN AIR-POLLUTION STUDIES. LONG-RANGE-TRANSPORT MODELLING EMPLOYING LAGRANGIAN MODELS.
MAGILL BL : DEVELOPMENT AND IMPLEMENTATION OF AN AIR-QUALITY AND CLIMATOLOGY RESEARCH PROGRAM. RESEARCH WILL BE DIRECTED TOWARDS AIR-QUALITY CONCERNS INVOLVING SOUR GAS FLARING, FUGITIVE AND UNCONTROLLED EMISSIONS FROM INDUSTRIAL SOURCES URBAN AIR-QUALITY AND CLIMATE CHANGE AND VARIABILITY.
SIMS MP : PROVINCIAL RESEARCH PROGRAMS ON ACID-DEPOSITION, AIR-QUALITY & CLIMATE, RECLAMATION, WATER-RESOURCES; WATER-TREATMENT & WASTE-MANAGEMENT, ENVIRONMENTAL CONTAMINANTS. INTERESTS IN RISK-ASSESSMENT, BIOTECHNOLOGY & LAND RESOURCE INVENTORY.
SMITH JW : INDUSTRIAL-HYGIENE ENGINEERING AND POLLUTION-CONTROL, CERTIFIED INDUSTRIAL HYGIENIST AND DESIGNATED SPECIALIST IN OCCUPATIONAL-HEALTH AND SAFETY, IMPACT AND RISK-ASSESSMENT, AIR-QUALITY MONITORING.
SMYTHE LA : GENERAL ENVIRONMENTAL STUDIES RELATED TO AQUATIC-BIOLOGY, TERRESTRIAL-ECOLOGY, AIR-QUALITY, WATER-QUALITY AND NOISE.
THORPE JW : ANALYSIS OF ORGANICS AND INORGANICS IN NATURAL AND PROCESS WATERS; EVALUATION OF INDOOR AIR-QUALITY IN HOMES AND OFFICES; ON-LINE ANALYSIS OF SUB-PPM LEVELS OF HYDROGEN-SULPHIDE IN WATER.
WALKER JI : AIR-QUALITY; METEOROLOGY; CLIMATOLOGY; ENVIRONMENTAL-IMPACT.
YOUNG JWS : LRTAP, TOXIC-CHEMICALS, ENERGY, NORTH, GREAT-LAKES WATER-QUALITY, AIR-QUALITY, CLIMATE CHANGE, OXIDANTS. MAIN FOCUS IS THE ATMOSPHERIC PATHWAY PORTION OF THESE AREAS.

AIRPORT

MCCONACHIE CEB : NOISE IMPACT OF AIRCRAFT OPERATION. AIR-POLLUTION DUE TO AIRCRAFT OPERATIONS AT AIRPORTS. MASTER PLANS FOR INTERNATIONAL AIRPORTS FOR JAKARTA, INDONESIA AND CUZCO, PERU. FEASIBILITY STUDY FOR INTERNATIONAL AIRPORT FOR ISLAMABAD, PAKISTAN. ENVIRONMENTAL IMPACT OF STOL OPERATIONS IN MONTREAL AND OTTAWA.

AIRPORT

WORGAN JP : ENVIRONMENTAL-IMPACT-ASSESSMENT FOR AIRPORT PROJECTS. SPECIALIZATION IN WATER-QUALITY MONITORING AND ASSESSMENT.

ALBERTA

BARLISHEN WJ : RESEARCH, ANALYSIS OF CONSUMPTIVE WATER-USE (AGRICULTURAL, INDUSTRIAL, MUNICIPAL) IN ALBERTA. ECONOMIC ANALYSIS OF QUANTIFIABLE & NON QUANTIFIABLE BENEFIT-COST-ANALYSIS OF WATER-RESOURCE DEVELOPMENT & MANAGEMENT IN ALBERTA.
CABLE DM : COMPILATION & DISSEMINATION OF GROUNDWATER INFORMATION, INCLUDING DRILLERS' REPORTS, WATER-CHEMISTRY, GEOPHYSICAL LOGS & GROUNDWATER INVESTIGATION REPORTS IN ALBERTA.
CORBETT MJ : LIBRARY SERVICES BRANCH HOUSES A COLLECTION OF DOCUMENTARY AND PERIODICAL LITERATURE DEALING WITH ALL ASPECTS OF THE ENVIRONMENTAL SCIENCES AND WATER-RESOURCES ADMINISTRATION. THE EMPHASIS OF THE COLLECTION IS ON ALBERTA, BUT IS NOT RESTRICTED TO THE PROVINCE. ACCESS TO THE COLLECTION IS AVAILABLE ONLINE VIA THE UNIVERSITY OF ALBERTA SPIRES COMPUTER SYSTEM.
ENGLISH M : DETERMINATION THROUGH AIRCRAFT MEASUREMENTS OF THE TRANSPORT, DIFFUSION & TRANSFORMATION RATES OF SULPHUR & NITRIC-OXIDES EMITTED FROM OIL-SANDS EXTRACTION PLANTS IN NORTHERN ALBERTA. STUDY OF THE EFFECT OF URBAN AIR-QUALITY ON VISIBILITY.
GLENN JE : PLANNING & MANAGEMENT OF SURFACE-WATER RESOURCES OF SOUTH-SASKATCHEWAN RIVER BASIN IN ALBERTA.
HAGE KD : AIR-POLLUTION IN SMALL VALLEYS; URBAN AIR-POLLUTION; DESTRUCTIVE WINDS IN ALBERTA, SASKATCHEWAN; MICROMETEOROLOGY, MESOMETEOROLOGY.
HART JR : COORDINATION OF PLANNING ACTIVITIES FOR EFFECTIVE & EFFICIENT DEVELOPMENT & USE OF WATER-RESOURCES OF SOUTHERN ALBERTA CONSIDERING ECONOMIC, SOCIAL & ENVIRONMENTAL FACTORS.
HICKS R : COORDINATION OF PLANNING ACTIVITIES FOR THE EFFECTIVE AND EFFICIENT DEVELOPMENT AND USE OF WATER-RESOURCES OF NORTHERN ALBERTA CONSIDERING ECONOMIC, SOCIAL AND ENVIRONMENTAL FACTORS.
LEE PG : ECOLOGICAL RESERVES AND NATURAL AREAS PROGRAMS OF ALBERTA. SUITABLE SITES ARE SELECTED THROUGHOUT THE PROVINCE FOR RESEARCH, PRESERVATION, EDUCATIONAL AND RECREATIONAL PURPOSES. BIOPHYSICAL DATA IS GATHERED.
STONE RL : DIVISION IS RESPONSIBLE FOR ADMINISTERING THE ENVIRONMENTAL-IMPACT-ASSESSMENT SYSTEM OF THE ALBERTA GOVERNMENT.
SZOJKA LK : COORDINATION OF PLANNING ACTIVITIES FOR THE EFFECTIVE AND EFFICIENT DEVELOPMENT AND USE OF THE WATER-RESOURCES OF SOUTHERN ALBERTA, PARTICULARLY IRRIGATION, CONSIDERING ECONOMIC, SOCIAL AND ENVIRONMENTAL FACTORS.
TOKARSKY O : EVALUATION OF REGIONAL AQUIFERS IN ALBERTA, BY MAPS & CROSS SECTIONS USING EXISTING WELL & TESTHOLE DATA. DETERMINATION OF BASE OF GROUNDWATER PROTECTION, FRESHWATER, SALINE WATER BOUNDARY.
TOPUSCHAK R : ALBERTA ENVIRONMENT TECHNICAL SERVICES DIVISION IS RESPONSIBLE FOR PROVIDING THE DEPARTMENT WITH ALL NECESSARY EXPERTISE IN RIVER FLOW FORECASTING RIVER ENGINEERING, SURFACE-WATER HYDROLOGY AND SURVEYING. IT COORDINATES THE OPERATIONS IN THE PHYSICAL ASSESSMENT OF THE OCCURENCE, CONTROL AND EFFECT OF SURFACE-WATER IN RELATION TO NATURAL PHENOMENA, MAN-MADE WORKS AND PROPOSED PROJECTS.
TREW DO : SURFACE-WATER QUALITY MANAGEMENT IN ALBERTA. LOCALIZED IMPACT-ASSESSMENT, GENERAL SURVEY PROGRAMS. MAINTENANCE OF LONG TERM MONITORING STATIONS. WATER-QUALITY ISSUES INCLUDE: EUTROPHICATION, ACIDIC DEPOSITION, IMPACTS FROM MUNICIPAL EFFLUENTS, INDUSTRIAL-EFFLUENTS & RESOURCE EXTRACTION. RIVER BASIN PLANNING; LAKE MANAGEMENT PLANNING.

ALCOHOL

IVARSON KC : STUDY THE TRANSFORMATION OF IRON & MANGANESE BY SOIL MICROBES; THE RELEASE OF ELEMENTS FROM MINING ORES BY MICROBES; THE PRODUCTION OF PROTEIN & ALCOHOL FROM WASTES BY MICROBES.

ALDER

ANDERSON HW : BIOMASS PRODUCTIVITY AND CLONAL PROPERTIES OF HYBRID POPLAR, WILLOW AND ALDER. GROWTH, QUALITY AND REGENERATION OF HIGH VALUE. HARDWOODS: SUGAR-MAPLE OR YELLOW BIRCH.

ALFALFA

CHARNETSKI WA : RELATIONSHIP OF AERIAL & GROUND APPLICATION OF AGRICULTURAL SPRAYS TO INSECT-CONTROL & PLANT DENSITY TO CROP CANOPY PENETRATION ON ALFALFA & CEREALS. EVALUATION OF INSECTICIDES & THEIR SAFETY TO BENEFICIAL INSECTS INCLUDING LEAFCUTTER-BEES. INSECTICIDE RESIDUE DYNAMICS IN TERRESTRIAL & AQUATIC-ECOSYSTEMS.

ALGAE

BRODO IM : TAXONOMY OF LICHENS, ESPECIALLY THE GENUS LECANORA AND STUDIES ON THE LICHENFLORA OF CANADA, ESPECIALLY BRITISH-COLUMBIA, ONTARIO & QUEBEC. SYSTEMATIC STUDIES OF VASCULAR PLANTS, BRYOPHYTES, LICHENS & ALGAE (SPECIES OCCURRING IN CANADA & ELSEWHERE IN NORTHERN HEMISPHERE); FLORISTIC STUDIES OF THESE & RARE & ENDANGERED-PLANTS IN CANADA.
CRAIGIE JS : PHYSIOLOGY, BIOCHEMISTRY & AQUACULTURE OF ALGAE WITH SPECIAL INTEREST IN CELL WALLS & PHYCOCOLLODS OF MARINE SPECIES.
HARRISON PG : ECOLOGY OF ESTUARINE PLANTS (SEAGRASSES & ALGAE), ESPECIALLY POPULATION-DYNAMICS & PLANT & ANIMAL INTERACTIONS. FUNCTIONAL ECOLOGY OF DETRITUS BASED ECOSYSTEMS.
HUTCHINSON TC : ACID-RAIN STUDIES OF TERRESTRIAL-ECOSYSTEMS, HEAVY-METAL TOXICITY TO PLANTS AND ALGAE, ECOTOXICOLOGY OF NICKEL, COPPER, LEAD. EFFECTS OF SMELTERS. OIL-SPILL AND HYDROCARBON TOXICITY RESEARCH. ARCTIC AND BOREAL AREAS.
LAKSHMINARAYANA JSS : BIOLOGICAL LIMNOLOGY & OCEANOGRAPHY; POLLUTION, WATER-QUALITY, ALGAE, PHYTOPLANKTON, PRODUCTIVITY. TEACHING, SCIENTIFIC RESEARCH & DEVELOPMENT: COASTAL, MARINE & FRESHWATER ENVIRONMENT.
SHINDLER DB : SCIENTIFIC POLICY ADVICE ON BIOTECHNOLOGY & SAFETY REGULATIONS CONCERNING ENVIRONMENTAL & LARGE-SCALE APPLICATIONS. EXPERTISE IN MICROBIOLOGY, LIMNOLOGY, BIOLOGICAL MONITORING OF TOXIC SUBSTANCES, WATER-QUALITY, LAKE ALGAL-BLOOMS & EUTROPHICATION, AQUATIC ALGAE & MACROPHYTES, BACTERIAL PHYSIOLOGY & BIOCHEMISTRY, ENZYMOLOGY. COORDINATOR OF CANADA'S NATIONAL BIOTECHNOLOGY STRATEGY.
WEINBERGER P : ECOPHYSIOLOGY AND TOXICOLOGY WITH SPECIAL REFERENCE TO SOILS, SOIL MICROORGANISMS, WATER (FRESH AND ESTUARINE) AQUATIC MICRO AND MACROPHYTES AND SOME TREES INDIGENOUS TO CANADA. FATE TRANSPORT, UPTAKE, EFFECTS ON PHYSIOLOGY AND DEVELOPMENT OF N2-FIXING CYANOBACTERIA, ALGAE, AQUATIC MACROPHYTES AND SOME GYMNOSPERM AND ANGIOSPERM TREE SEEDS.
WONG SL : ASSESS THE IMPACT OF TOXIC SUBSTANCES ON BIOTA IN BOTH SURFACE-WATERS & INDUSTRIAL WASTEWATERS USING ASSAY TECHNIQUES WITH ALGAE & ZOOPLANKTON AS TEST ORGANISMS.

ALGUE

AUCLAIR JC : HYDROBIOLOGIE; ECOLOGIE-AQUATIQUE; ECOSYSTEME AQUATIQUE; EUTROPHISATION; POLLUTION-EAU; LIMNOLOGIE; LAC ACIDIFICATION; PRECIPITATIONS-ACIDES LAC; ALGUE PLANCTON; PHYTOPLANCTON; CHLOROPHYLLE; OXYGENE DISSIUS; MATIERE ORGANIQUE; PHOSPHATE; PHOSPHORE.

ALGUES

COUTURE P : UTILISATION D'INDICATEURS BIOLOGIQUES, EN PARTICULIER LE PHYTOPLANCTON (ALGUES UNICELLULAIRES) POUR DETERMINER LA QUALITE DE L' EAU: ASPECT EUTROPHISATION, ASPECTS ECOLOGIQUE ET TOXICOLOGIQUE, RELATIONS STRUCTURE FONCTION, BIOESSAIS IN VITRO, BIOESSAIS IN SITU, COMMUNAUTE MICROBIENNE, PRODUCTION PRIMAIRE, CHARGE ENERGETIQUE ACCLIMATION.

ALIPHATIQUES-HALOGENES

BRODEUR J : TOXICOLOGIE INDUSTRIELLE ET ENVIRONNEMENTALE: TOXICITE ET METABOLISME DES SOLVANTS AROMATIQUES ET ALIPHATIQUES-HALOGENES; TOXICITE ET METABOLISM DES METAUX TOXIQUES (PLOMB, CADMIUM, MERCURE).

ALKANES

KUSHNER DJ : MICROORGANISMS IN EXTREME ENVIRONMENTS. BIODEGRADATION OF CELLULOSE AND OTHER CONSTITUENTS OF WOODS. BIODEGRADATION OF PETROLEUM AND ALKANES. ACTION OF HEAVY-METALS ON MICROORGANISMS AND OF MICROORGANISMS ON HEAVY-METAL.

ALKYLEAD

CHAU YK : STUDIES ON FORMATION, FATE & TOXICITY OF ORGANOMETALS IN THE ENVIRONMENT SUCH AS ALKYLEAD ORGANOTIN COMPOUNDS. DEVELOPMENT OF SENSITIVE & SPECIFIC TECHNIQUES FOR SPECIATION OF ORGANOMETALS. INTEGRATION OF METALS & ORGANICS IN AQUATIC SYSTEMS.

ALLOMETRY

PETERS RH : STUDIES OF GENERAL PATTERNS IN ECOLOGY & LIMNOLOGY; ESPECIALLY ALLOMETRY & EUTROPHICATION RESEARCH. GOAL IS TO PREDICT & DESCRIBE PRODUCTIVITY, ENERGY & MATERIAL FLOW IN AQUATIC & OTHER COMMUNITIES. TREATING FILTER FEEDING BY ZOOPLANKTON & ANALYSIS OF LITERATURE DATA. CRITICAL ANALYSIS OF ECOLOGICAL CONCENTRATION.

ALPINE

GILBERT R : STUDIES OF GLACIOMARINE ENVIRONMENTS IN ARCTIC & ALPINE REGIONS OF CANADA. WORK INCLUDES ANIMAL & SEDIMENT PROCESSES. THE ACTION OF SEA ICE.
HARRIS SA : USE OF PERMAFROST LANDS; MAPPING OF PERMAFROST; SOILS, LANDFORMS & VEGETATION OF ALPINE & PERMAFROST AREAS; ENVIRONMENTAL EFFECTS OF DISTURBANCE OF ALPINE & PERMAFROST ENVIRONMENTS. ENVIRONMENTAL EFFECTS OF CLIMATIC CHANGES.
KERSHAW GP : RECLAMATION & MITIGATION OF ARCTIC, SUBARCTIC & ALPINE DISTURBANCES DEVELOPMENT OF RESOURCES. ASPEN PARKLAND, BOREAL, SUBARCTIC, ALPINE & ARCTIC ECOSYSTEMS STRUCTURE & FUNCTION.

ALUM

ANDERSUN JC : COLOUR REMOVAL MECHANISMS INCLUDING ALUM WITH OTHER WATER-TREATMENT CHEMICALS, OZONE AND SLOW SAND FILTRATION. EFFICIENCY AND ENERGY CONVERSION CAPABILITIES.

ALUMINUM

BANAS WP : AQUATIC TOXICOLOGY & CHEMICAL FATE INVESTIGATIONS. TOXICITY TESTING OF INDUSTRIAL EFFLUENTS (PULP & PAPER, MINING, STEEL MANUFACTURING). DEVELOPMENT OF A WATER-QUALITY AQUATIC ENVIRONMENT. TOXICITY OBJECTIVE REGARDING ALUMINUM IN THE EVALUATIONS OF PESTICIDES (ORGANOCHLORINE & ORGANOPHOSPHATE) & HEAVY-METALS USING RAINBOW-TROUT IN FLOW THROUGH & STATIC BIOASSAYS.
HAVAS M : EFFECTS OF LOW PH AND METALS (A1, 2N, NI, FE, CA, ETC) ON SURVIVAL, REPRODUCTION, SODIUM REGULATION CHEMICAL-COMPOSITION OF AQUATIC INVERTEBRATES FROM BOTH ARCTIC (SMOKING HILLS, NWT) AND TEMPERATE REGIONS. METAL CONTENT AND LOCALIZATION IN AQUATIC MACROPHYTES. EFFECTS OF ALUMINUM ON SUGAR-MAPLE DIEBACK.
MCKEOWN BA : ENVIRONMENTAL TOXICANTS OF FISH. HEAVY-METALS (ZINC, MERCURY, ALUMINUM), OIL, OIL DISPERSANTS, PESTICIDES, ACID-PRECIPITATION.
SINGH SS : AQUEOUS & SOLID PHASE CHEMISTRY OF ALUMINUM. SPECIATION & COMPLEXING REACTIONS OF ALUMINUM. SOLUBILITY OF ALUMINUM-HYDROXY COMPOUNDS.

ALUMINUM-HYDROXY

SINGH SS : AQUEOUS & SOLID PHASE CHEMISTRY OF ALUMINUM. SPECIATION & COMPLEXING REACTIONS OF ALUMINUM. SOLUBILITY OF ALUMINUM-HYDROXY COMPOUNDS.

AMENAGEMENT-FORESTIER

FEDERATION DES PRODUCTEURS : DOMAINE DE LA FORET PRIVEE DU QUEBEC. LA FPBQ A POUR TACHE D' ASSURER LA COORDINATION DE LA MISE EN MARCHE DES BOIS PRODUITS A PARTIR DE LA FORET PRIVEE D'UNE PART ET DE DEVELOPPER CETTE FORET PRIVEE PAR LA MISE EN PLACE DE PROGRAMMES D' AMENAGEMENT-FORESTIER. NOUS MAINTENONS A JOUR LES STATISTIQUES SUR LES BIO-PHYSIQUES ET SOCIO-ECONOMIQUES DE LA FORET PRIVEE QUEBECOISE.

AMEOBO-FLAGELLATE-PROTOZOANS

DINGLE AD : STUDY OF AMEOBO-FLAGELLATE-PROTOZOANS & THEIR POTENTIAL PATHOGENICITY TO INVERTEBRATE & VERTEBRATE ORGANISMS.

AMES-SALMONELLA-ASSAYS

LEE EGH : MUTAGENICITY OF ENVIRONMENTAL-CONTAMINANTS INVESTIGATED USING THE AMES-SALMONELLA-ASSAYS. FISH DISEASE DIAGNOSTIC SERVICES FOR BACTERIAL KIDNEY DISEASE & INFECTIOUS HEMATOPOIETIC-NECROSIS TEST. BIOPOLYMER PRODUCTION FROM METHANOL FERMENTATION.

AMINO-ACID

AKSU A E : PALEOCLIMATIC AND OCEANOGRAPHIC EVOLUTION OF THE LABRADOR-SEA AND BAFFIN-BAY DURING THE LAST 25 MA ODP (LEG 105) ARCTIC OCEAN CHRONOSTRATIGRAPHY. SEISMIC STRATIGRAPHY OF SMALL DELTAS IN MICROTIDAL SETTING (AEGEAN-SEA). SEDIMENTOLOGY AND GEOCHEMISTRY OF SALINE AND BITTER LAKES IN ANATOLIA. AMINO-ACID EPIMERIZATION IN FORAMINIFERA. SEDIMENTOLOGY AND SEISMIC STRATIGRAPHY OF FIORDS AND BAYS AROUND NEWFOUNDLAND. SEDIMENTOLOGY OF SHELF BASINS, SLOPE AND RISE TRANSITION.

AMMONIA

CHIA CJ : MERCURY POLLUTION. WASTE ALKYLATION ACID. WASTE SULPHATE SOLUTION FROM CHLORALKALI PLANT. AMMONIA CONDENSATES & THEIR TREATMENT AND OR RECOVERY.
RANDALL DJ : CARBON-DIOXIDE & OXYGEN TRANSFER & ACID-BASE REGULATION IN FISH & AMPHIBIA. INTERACTIONS BETWEEN AMMONIA, CARBON-DIOXIDE & ION MOVEMENT ACROSS FISH GILLS. STUDIES ON FISH & AMPHIBIAN ERYTHROCYTE INTRACELLULAR PH REGULATION.

AMPHIBIA

RANDALL DJ : CARBON-DIOXIDE & OXYGEN TRANSFER & ACID-BASE REGULATION IN FISH & AMPHIBIA. INTERACTIONS BETWEEN AMMONIA, CARBON-DIOXIDE & ION MOVEMENT ACROSS FISH GILLS. STUDIES ON FISH & AMPHIBIAN ERYTHROCYTE INTRACELLULAR PH REGULATION.

ANAEROBIC

HRUDEY SE : INDUSTRIAL WASTE-MANAGEMENT, PETROLEUM, ORGANIC CHEMICAL, OIL-SANDS, FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION CONTROL; WATER RECLAMATION AND REUSE; HAZARDOUS TOXIC-WASTE, MANAGEMENT, DISPOSAL; INDUSTRIAL BIOTECHNOLOGY; ANAEROBIC TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT; RISK-ASSESSMENT; HAZARD IDENTIFICATION CONTROL.
JONES GA : PHYSIOLOGY AND METABOLISM OF ANAEROBIC MICROORGANISMS IN THE ENVIRONMENT; ROLE OF ANAEROBES IN RUMINANT DIGESTIVE METABOLISM.
KENNEDY KJ : RESEARCH IN CONVERSION OF INDUSTRIAL AND AGRICULTURAL WASTES TO METHANE IN ADVANCED ANAEROBIC REACTOR SYSTEMS.
KHAN AW : ANAEROBIC CONVERSION OF CELLULOSIC WASTE OBTAINED FROM FORESTRY, AGRICULTURE, FARM, PAPER AND FOOD INDUSTRY AS WELL AS INDUSTRIAL AND MUNICIPAL SOLID-WASTE, TO FUELS AND CHEMICAL FEED STOCK.
KNETTIG E : ANAEROBIC BIODEGRADATION OF CHLOROPHENOLS. DECHLORINATION OF DIFFERENT ISOMERS & POSSIBLE MINERALIZATION. ACTIVATED CARBON ADSORPTION OF ORGANICS FOR TREATING WASTEWATER EFFLUENTS & DRINKING-WATER.
PATEL GB : ISOLATION, CHARACTERIZATION & STUDY OF THE PHYSIOLOGY OF OBLIGATE-ANAEROBES INVOLVED IN THE BREAKDOWN OF COMPLEX ORGANIC MATTER PRESENT IN ANAEROBIC ECOSYSTEMS (CELLULOLYTIC, SACCHAROLYTIC, METHANOGENIC-BACTERIA). SEWAGE TREATMENT; PULP & PAPER.
PINDER KL : ANAEROBIC FERMENTATION OF HIGH BOD FOOD-WASTES. RECOVERY OF CHEMICALS FROM CHLORINE-DIOXIDE BLEACH EFFLUENTS. AUTOCAUSTICIZING OF KRAFT LIQUORS TO ELIMINATE RECAUSTICIZING EFFLUENT.
RAMALHO RS : WASTEWATER-TREATMENT PROCESSES. REMOVAL OF TOXIC ELEMENTS OR COMPOUNDS FROM WASTEWATERS BY ADSORPTION PROCESSES. ANAEROBIC-WASTEWATER-TREATMENT OF HIGH BOD BY UPFLOW ANAEROBIC SLUDGE-BLANKET REACTORS.
THIRUMURTHI D : LOW COST WASTEWATER-TREATMENT FOR DEVELOPING NATIONS; LAGOONS AND PONDS; WATER-TREATMENT AND ANAEROBIC TREATMENT OF SANITARY LANDFILL LEACHATE.

ANAEROBIC-WASTEWATER-TREATMENT

GUIOT SR : ANAEROBIC-WASTEWATER-TREATMENT. DEVELOPMENT OF ADVANCED REACTOR CONFIGURATIONS. MODELLING (STEADY STATE & DYNAMIC). EFFECT OF HYDRAULIC AND ORGANIC FACTORS ON THE SLUDGE GRANULATION INDUCTION. DETOXIFICATION (HEAVY METALS).
LANDINE RC : CONSULTING ENGINEERING FIRM WHICH HAS DEVELOPED EXPERTISE IN LOW RATE ANAEROBIC-WASTEWATER-TREATMENT OF INDUSTRIAL WASTEWATER, BIOGAS COLLECTION, BIOGAS HANDLING, BIOGAS UTILIZATION & FLOATING MEMBRANE COVER TECHNOLOGY.
RAMALHO RS : WASTEWATER-TREATMENT PROCESSES. REMOVAL OF TOXIC ELEMENTS OR COMPOUNDS FROM WASTEWATERS BY ADSORPTION PROCESSES. ANAEROBIC-WASTEWATER-TREATMENT OF HIGH BOD BY UPFLOW ANAEROBIC SLUDGE-BLANKET REACTORS.
VIRARAGHAVAN T : WATER AND WASTEWATER-TREATMENT; ON-SITE WASTEWATER-TREATMENT AND DISPOSAL; ANAEROBIC-WASTEWATER-TREATMENT; WATER-POLLUTION ASPECTS.

ANALYTICAL-CHEMISTRY

AFGHAN BK : ANALYTICAL-CHEMISTRY. RESEARCH AND OPERATIONAL EXPERIENCE IN MODERN VOLTAMETRIC AND ELECTROANALYTICAL TECHNIQUES, HIGH SPEED LIQUID CHROMATOGRAPHY, HIGH RESOLUTION GAS CHROMATOGRAPHY, ATOMIC AND MOLECULAR ADSORPTION AND LUMINESCENCE TECHNIQUES.
LOESCHER B : ANALYTICAL-CHEMISTRY OF METALS, PARTICULARLY ANALYSIS OF ACIDIC-PRECIPITATION, AND SURFACE-WATERS.
MOSELHY MM : ENVIRONMENTAL RESEARCH PLANNING. POLICY ANALYSIS. AIR, WATER, WASTE POLLUTION ANALYSIS; EFFECTS. ANALYTICAL-CHEMISTRY. ATOMIC EMISSION SPECTROSCOPY MULTIELEMENTAL ANALYSIS.
PUPP C : ENVIRONMENTAL ANALYTICAL-CHEMISTRY. AIR-MONITORING. REVIEW & SYNOPSIS OF GROUNDWATER CONTAMINATION & USE; AIR OXIDANTS AND AIR OXIDANTS AND TOXICS.
STEWART RB : ANALYTICAL-CHEMISTRY CONSULTANT.

ANGIOSPERM

WEINBERGER P : ECOPHYSIOLOGY AND TOXICOLOGY WITH SPECIAL REFERENCE TO SOILS, SOIL MICROORGANISMS, WATER (FRESH AND ESTUARINE) AQUATIC MICRO AND MACROPHYTES AND SOME TREES INDIGENOUS TO CANADA. FATE TRANSPORT, UPTAKE, EFFECTS ON PHYSIOLOGY AND DEVELOPMENT OF N2-FIXING CYANOBACTERIA, ALGAE, AQUATIC MACROPHYTES AND SOME GYMNOSPERM AND ANGIOSPERM TREE SEEDS.

ANIMAL

GILBERT R : STUDIES OF GLACIOMARINE ENVIRONMENTS IN ARCTIC & ALPINE REGIONS OF CANADA. WORK INCLUDES ANIMAL & SEDIMENT PROCESSES, THE ACTION OF SEA ICE.
HARRISON PG : ECOLOGY OF ESTUARINE PLANTS (SEAGRASSES & ALGAE), ESPECIALLY POPULATION-DYNAMICS & PLANT & ANIMAL INTERACTIONS. FUNCTIONAL ECOLOGY OF DETRITUS BASED ECOSYSTEMS.
KHACHATOURIANS GG : ASSESSMENT OF MICROBIAL TOXINS FOUND IN THE ENVIRONMENT. WORK ON MYCOTOXINS T-2, VOMITOXIN, BACILLUS THURINGIENSIS, DELTA TOXIN & ENTEROTOXINS ON INVERTEBRATES IN NATURAL ENVIRONMENTS. ANALYSIS OF POTENTIAL ENVIRONMENTAL TOXICANTS BY MICROBIAL MUTAGENICITY TESTS. EPIDEMIOLOGY OF ENTEROTOXIGENIC E.-COLI IN HUMAN & ANIMAL ENVIRONMENTS. PERSISTANCE OF MICROBIAL INSECTICIDES IN THE AGRICULTURAL ENVIRONMENT.
KILBURN DG : LARGE SCALE CULTURE OF ANIMAL CELLS. PRODUCTION OF INDUSTRIAL ENZYMES (E.G. CELLULOSE) BY DNA TECHNOLOGY.
PANISSET JC : TOXICOLOGIE INDUSTRIELLE ET AGRICOLE, TOXICITE DE PESTICIDES, MEDICAMENTS VETERINAIRES ANTIBIOTIQUE ET TRANSFERT DE L'ANTIBIO RESISTANCE DE L' ANIMAL A L'HOMME. BIOSECURITE ET BIOTECHNOLOGIES NOUVELLES.
TRENHOLM HL : TOXICOLOGY OF MYCOTOXINS IN ANIMAL FEEDS FOR LIVESTOCK AND POULTRY. METABOLISM OF MYCOTOXINS. DETOXIFICATION OF NATURAL CONTAMINANTS & TOXIC RESIDUES IN ANIMAL PRODUCTS.
UCHIDA IA : EFFECT OF DIAGNOSTIC RADIATION OF THE ABDOMEN ON CHROMOSOME SEGREGATION, SPECIFICALLY OF MOTHERS OF DOWN'S-SYNDROME CHILDREN & SPONTANEOUS ABORTIONS. THE MOUSE IS USED AS THE ANIMAL MODEL.
WARMAN PR : SOIL-FERTILITY & CONSERVATION THROUGH ORGANIC AMENDMENTS (ANIMAL & GREEN MANURES, COMPOSTS, SEWAGE SLUDGE); MINE-TAILINGS & LAND RECLAMATION; SOIL & PLANT RELATIONSHIPS IN CONSERVATION & RECLAMATION.

ANIMALS

AKHIAR H : SYNTHESIS, METABOLISM OF PESTICIDES (ORGANOPHOSPHATES, SYNTHETIC PYRETHROIDS) IN POULTRY AND FARM ANIMALS. DEVELOPMENT OF ANALYTICAL TECHNIQUES FOR DETERMINATION OF TRACES OF PESTICIDES AND METABOLITES IN MILK, URINE, FECES, EGGS AND TISSUES.
CASORSO DR : PATHOLOGICAL EXAMINATION OF TOXICITY STUDIES IN LABORATORY ANIMALS. R&D IN DRUGS & PESTICIDES (LATIN-AMERICA, OCEANA, AFRICA). SAFETY & EFFICACY EVALUATION OF NEW DRUGS. FEED ADDITIVE DEVELOPMENT, SAFETY, EFFICACY. VETERINARY PARASITOLOGY. AVIAN PATHOLOGY.
DOWNER RGH : EFFECTS OF INSECTICIDES AND OTHER AGRICULTURAL CHEMICALS ON METABOLISM AND CONCENTRATION OF MONOAMINES IN THE NERVOUS-SYSTEMS OF TARGET AND NON-TARGET ANIMALS; CORRELATIONS BETWEEN MONOAMIN LEVELS AND BEHAVIOUR; INSECTICIDE DEVELOPMENT.
EBERHARD JJ : CANOEIST'S MANUAL FOR PROMOTION OF ENVIRONMENTAL & ETHICAL CONCERNS IS GEARED TOWARDS DEVELOPING GUIDELINES FOR: MINIMAL IMPACT CAMPING, CONTACT WITH ANIMALS AND OTHER USER GROUPS; TEACHING MINIMAL IMPACT CAMPING STOVES VS FIRES & SUGGESTIONS FOR POLITICAL ADVOCACY WHILE CANOEING.
FRANK R : RESEARCH INTO PESTICIDE DISAPPEARANCE FROM TREATED PLANTS & ANIMALS. MONITORING RESEARCH INTO RESISTANCE & MOBILITY IN THE ENVIRONMENT.
KHAN SU : FATE OF PESTICIDES IN SOIL, PLANT, WATER & ANIMALS. ENVIRONMENTAL-POLLUTION. CHEMICAL & BIODEGRADATION OF PESTICIDES. BIOAVAILABILITY & TOXICOLOGY OF PESTICIDES IN ANIMALS, PESTICIDE DEGRADING PLASMIDS, BIOTECHNOLOGY OF PESTICIDES.
MARGOLIS L : DISEASES AND PARASITES OF FISHES. PARASITES OF MARINE MAMMALS AND INVERTEBRATES. EFFECTS OF ENVIRONMENTAL ALTERATION ON PARASITES AND DISEASES OF AQUATIC ANIMALS. PARASITES AS BIOLOGICAL TAGS FOR FISH POPULATIONS.
SHAW GG : DETERMINING THE CONCENTRATION OF SULPHUR, METALS & PESTICIDES IN SOIL, AIR, WATER, VEGETATION & ANIMALS & THE EFFECTS OF THOSE CHEMICALS & ELEMENTS ON PLANTS & ANIMALS THROUGH EXPERIMENTS & STATISTICAL-ANALYSIS.
WEAVER RS : MANAGEMENT OF RESEARCH IN THE FOLLOWING AREAS: AIR, WATER AND SOIL-ANALYSES; EFFECTS OF ENVIRONMENTAL-CONTAMINANTS IN AIR, WATER AND SOIL ON PLANTS, WILDLIFE AND DOMESTIC ANIMALS, AQUATIC VERTEBRATES AND INVERTEBRATES, AND MICRO-ORGANISMS; HAZARDOUS-WASTE DISPOSAL.

ANISOTROPIE-SPATIALE

ANISOTROPIE-SPATIALE

FORTIN JP : HYDROLOGIE; HYDROMETEOROLOGIE; PRECIPITATION; PLUIE; NEIGE; RUISSELLEMENT; DEBIT; ECOULEMENT; PHYSIOGRAPHIE; RIVIERE; BASSIN VERSANT; CRUE; INONDATION; TELEDETECTION EAU; SATELLITE EAU; INTEGRATION DES DONNEES; STATISTIQUE HYDROLOGIE; GESTION-EAU; PLANIFICATION-EAU; PREVISION EAU; DECISION EAU; PROTECTION EAU; CONTROLE-EAU; MODELE HYDROLOGIQUE; CEQUEAU MODELE; MODELE DETERMINISTE MAILLE-CARREAU; MODELE D AJUSTEMENT; PREVISION HYDROLOGIQUE; PREVISION ECOULEMENT; PREVISION TEMPS REEL; RESEAU HYDROLOGIQUE; PLUVIOMETRE; RADAR HYDROLOGIE; STATION-PLUVIOMETRIQUE; RESEAU RADAR METEOROLOGIE; PRECIPITATIONS-ACIDES; POLLUANTS-ATMOSPHERIQUES; TRANSPORT-A-LONGUE-DISTANCE; MODELE STATISTIQUE; DIFFUSION UNIDIMENSIONNEL; ANISOTROPIE-SPATIALE.

ANOXIA

DAVIES RW : INVESTIGATIONS OF THE ABUNDANCE AND DISTRIBUTION OF FRESHWATER BENTHIC MACROINVERTEBRATES. STUDIES ON PREDATOR AND PREY INTERACTIONS, SANGUIVORY AND THE EFFECTS OF HYPOXIA, AND ANOXIA HAVE BEEN CARRIED OUT.

ANTIFONGIQUES

OUELLETTE GB : PATHOLOGIE VEGETALE (SPECIALITE FORESTIERE): FLETRISSEMENTS-FONGIQUES (ORME, TOMATE, AUBERGINE). RELATIONS HOTE-PATHOGENE AU MOYEN: TECHNIQUES MICROSCOPIE ELECTRONIQUE (TRANSMISSION ET BALAYAGE ET MICROANALYSE) & IMMUNOCYCYTOCHIMIQUES. DETECTION DE SUBSTANCES ANTIFONGIQUES OU TOXIQUES. MYCOLOGIE.

ANTIMICROBIALS

CLARK AG : AQUATIC VIBRIOS, SURVIVAL TOXIGENESIS & VARIATION IN VIRULENCE. HYDROCARBON DEGRADATION & SURFACTANT PRODUCTION IN MIXED & PURE CULTURES. MICROBIAL DEGRADATION OF WATER POLYMER BASED PAINT: PAINT ANTIMICROBIALS.

APPLES

STUSHNOFF C : COLD STRESS, PLANT BREEDING, FRUIT CROPS. GENE RESOURCES & CRYOPRESERVATION; STRAWBERRIES, APPLES, BLUEBERRIES, GENERAL HORTICULTURE INCLUDING VEGETABLES, POTATOES.

AQUACULTURE

ANDERSON JM : FISHERIES RESEARCH & DEVELOPMENT, PARTICULARLY SALMONID AQUACULTURE & SALMON ENHANCEMENT STRATEGIES. EDUCATION & TRAINING A SPECIALTY.

AYLES GB : RESEARCH ON GENETICS OF FISH, FISH CULTURE AND AQUACULTURE. EXPERIENCE IN NORTH TEMPERATE CLIMATES AND SOME TROPICAL CLIMATES. MANAGEMENT OF FRESHWATER AND MARINE FISHERIES AND AQUATIC RESEARCH.

BOURNE N : BIOLOGICAL RESEARCH IN ESTUARINE ECOLOGY WITH EMPHASIS ON BIVALVE-MOLLUSCS. ASSESSMENT OF POPULATION-DYNAMICS OF BIVALVES FOR OPTIMUM MANAGEMENT OF RESOURCE. PRESENT RESEARCH MAINLY IN AQUACULTURE WITH EMPHASIS ON CULTURE OF OYSTERS, CLAMS AND SCALLOPS.

COOK RH : AQUACULTURE DEVELOPMENT (ATLANTIC SALMON, AMERICAN LOBSTER, SEA SCALLOPS) GROWTH & REPRODUCTIVE PHYSIOLOGY, DISEASE & NUTRITION, DIET FORMULATIONS, METHODS OF DISEASE-PREVENTION, GENETICS. POLLUTION EFFECTS ON FISH: ECOLOGICAL STUDIES, SUBLETHAL BIOLOGICAL EFFECTS, METHODS, DETECTION & ANALYSIS OF TRACE ORGANIC & INORGANIC TOXIC-CHEMICALS.

CRAIGIE JS : PHYSIOLOGY, BIOCHEMISTRY & AQUACULTURE OF ALGAE WITH SPECIAL INTEREST IN CELL WALLS & PHYCOCOLLODS OF MARINE SPECIES.

HARA TJ : PHYSIOLOGICAL, BIOCHEMICAL, MORPHOLOGICAL & BEHAVIORAL STUDIES ON CHEMORECEPTION IN FISH; ITS ROLE IN MIGRATION & REPRODUCTION; ITS APPLICATION TO FISHING & AQUACULTURE; & ITS INTERACTIONS WITH TOXIC CHEMICALS & ACID-PRECIPITATION.

MACCRIMMON HR : RESEARCH LIES WITHIN AREA OF FISHERIES SCIENCE & MANAGEMENT; LIMNOLOGY & ENVIRONMENTAL-QUALITY, ESPECIALLY WARMWATER & COLDWATER AQUACULTURE & FISH BIOLOGY, ECOLOGY, & ZOOGEOGRAPHY.

PRAKASH A : MARINE POLLUTION, COASTAL ZONE MANAGEMENT, COASTAL AQUACULTURE, SHELLFISH, MARINE PRODUCTIVITY, RED-TIDES, SHELLFISH POISONING, ENVIRONMENTAL-QUALITY, ECOLOGY, ENVIRONMENTAL-IMPACT-ASSESSMENT MARINE PHYTOPLANKTON, TOXICITY, PHYSIOLOGY, DINOFLAGELLATES.

SAWCHYN WW : AQUATIC ECOLOGY WITH EMPHASIS ON FISHERIES, AQUATIC ENTOMOLOGY, BRINE SHRIMP AND AQUACULTURE.

SUTTERLIN AM : AQUACULTURE; FISHERIES; FISH REPRODUCTION, BEHAVIOUR AND PHYSIOLOGY.

AQUATIC-BIOLOGY

MARSHALL KE : INFORMATION RETRIEVAL SPECIALIST ESPECIALLY IN THE SUBJECT AREA OF AQUATIC-BIOLOGY (PARTICULARLY FRESHWATER). EXPERT IN THE USE OF ONLINE DATA-BASES IN THE RETRIEVAL OF INFORMATION IN THIS AREA.

SMYTHE LA : GENERAL ENVIRONMENTAL STUDIES RELATED TO AQUATIC-BIOLOGY, TERRESTRIAL-ECOLOGY, AIR-QUALITY, WATER-QUALITY AND NOISE.

AQUATIC-BIOTA

ZITKO V : DETECTION, IDENTIFICATION, MEASUREMENT, EFFECTS OF CHEMICALS ON AQUATIC-BIOTA. MASS-SPECTROMETRY, ENVIRONMENTAL MODELLING, TOXICOLOGY, ORGANIC-CHEMICALS.

AQUATIC-CHEMISTRY

DILLON P : EFFECTS OF ATMOSPHERIC-DEPOSITION ON AQUATIC-CHEMISTRY THROUGH THE USE OF THE CALIBRATED WATERSHED TECHNIQUE. A WIDE VARIETY OF BIOLOGICAL STUDIES AND TERRESTRIAL INVESTIGATIONS ARE ALSO COORDINATED AT THE CENTRE.

AQUICULTURE

POIRIER L : ANALYSE D'IMPACT DE PROJETS DE DEVELOPPEMENT; ANALYSE DU MILIEU POUR LE DEVELOPPEMENT DE L' AQUICULTURE; ETUDES DE POTENTIEL D' EXPLOITATION DE STOCKS-AQUATIQUES.

AQUIFERS

MARCINIUK J : MONITORING OF WATER WELLS COMPLETED INTO AQUIFERS UP TO 460M IN DEPTH. DATA CONSISTS OF CONTINUOUS WATER LEVEL CHARTS & PERIODIC ROUTINE & DETAILED WATER CHEMICAL-ANALYSIS AVAILABLE FOR SOME WELLS SINCE 1956.

TOKARSKY O : EVALUATION OF REGIONAL AQUIFERS IN ALBERTA, BY MAPS & CROSS SECTIONS USING EXISTING WELL & TESTHOLE DATA. DETERMINATION OF BASE OF GROUNDWATER PROTECTION, FRESHWATER, SALINE WATER BOUNDARY.

ARBORICULTURE

JORGENSEN E : SILVICULTURE, ARBORICULTURE AND AGROFORESTRY WITH AN EMPHASIS ON URBAN FORESTRY SPECIES SELECTION, CULTURAL TECHNIQUES AND DISEASE CONTROL.

ARBRES

GODBOUT C : RECHERCHES SUR LA FORET ET LES PRODUITS FORESTIERES: ECOSYSTEME FORESTIER (EVOLUTION, DESCRIPTION, REACTION AUX STRESS); REBOISEMENT ET TRAVAUX SYLVICOLES; AMELIORATION GENETIQUE DES ARBRES; TECHNIQUES DE PROTECTION; UTILISATION ET GESTION-DES-FORETS.

LACHANCE D : RESPONSABLE D'UN SERVICE DE RELEVE ANNUEL DES INSECTES ET DES MALADIES DES ARBRES PAR TOUTE LA PROVINCE DE QUEBEC. ESTIMONS L'IMPACT DES RAVAGEURS SUR LA PRODUCTION EN FIBRES LIGNEUSES DES FORETS. PRODUISONS DES RAPPORTS ANNUELS ET PONCTUELS.

ARCTIC

ADAMS WP : ASPECT OF HYDROLOGY AND BIOLOGY INVOLVING SNOW AND ICE. STUDIES ON SNOW-COVER, LAKE ICE AND GLACIERS. STUDIES IN ARCTIC, SUBARCTIC AND COLD TEMPERATE REGIONS.

AIKEN SG : AQUATIC PLANTS IN CANADA (WILD-RICE, ZIZANIA & WATER MILFOIL, MYRIOPHYLLUM) GRASSES, ESPECIALLY FESTUCA, IN NORTH AMERICA. COMPUTER GENERATION OF TAXONOMIC KEYS & DESCRIPTIONS IN FRENCH & ENGLISH. BEGINNING WORK ON THE FLORA OF THE CANADIAN HIGH ARCTIC ISLANDS.

AKSU A E : PALEOCLIMATIC AND OCEANOGRAPHIC EVOLUTION OF THE LABRADOR-SEA AND BAFFIN-BAY DURING THE LAST 25 MA ODP (LEG 105) ARCTIC OCEAN CHRONOSTRATIGRAPHY. SEISMIC STRATIGRAPHY OF SMALL DELTAS IN MICROTIDAL SETTING (AEGEAN-SEA). SEDIMENTOLOGY AND GEOCHEMISTRY OF SALINE AND BITTER LAKES IN ANATOLIA. AMINO-ACID EPIMERIZATION IN FORAMINIFERA. SEDIMENTOLOGY AND SEISMIC STRATIGRAPHY OF FIORDS AND BAYS AROUND NEWFOUNDLAND. SEDIMENTOLOGY OF SHELF BASINS, SLOPE AND RISE TRANSITION.

AMBLER DC : SURFACE-WATER HYDROLOGY IN THE ATLANTIC PROVINCES AND THE EASTERN ARCTIC ISLANDS. RUNOFF SIMULATION. WATERSHED FORECASTING.

ARCTIC

BARRIE LA : ATMOSPHERIC CYCLE OF TRACE CONSTITUENTS. STUDY OF ACID-RAIN PHENOMENA ON A REGIONAL SCALE & ARCTIC AIR POLLUTION ON AN HEMISPHERIC SCALE. COMPUTER MODEL OF ARCTIC AIR-POLLUTION USED TO INVESTIGATE COMPLEX INTERACTIONS OF TRANSPORT, TRANSFORMATION & REMOVAL. ROUTINE AEROSOL SCIENCE MEASUREMENTS ARE MADE IN THE CANADIAN ARCTIC. RELATIONSHIP BETWEEN AIR & PRECIPITATION TRACE ELEMENTAL COMPOSITION & POLLUTANT ORIGIN UNDER INVESTIGATION.

BIOMAIL OFFICE : FUNDAMENTAL RESEARCH IN ALL FIELDS OF MARINE SCIENCES (PHYSICS, BIOLOGY, CHEMISTRY & GEOLOGY) & FISHERIES. HYDROGRAPHIC SURVEYS; PRODUCTION OF NAVIGATIONAL CHARTS FOR REGIONS FROM GEORGE'S BANK TO THE NORTHWEST PASSAGE IN THE CANADIAN ARCTIC; RESEARCH ON POSITIONING SYSTEMS.

BUNTING BT : MICROMORPHOLOGY OF SOILS, ESPECIALLY: BOREAL-FOREST HUMUS PROFILE; ARCTIC SOILS; SOLUTE-TRANSFER IN CLAY SOILS AND SOIL ACIDIFICATION.

CLAYTON JW : BIOCHEMICAL GENETICS, POPULATION GENETICS, SYSTEMATICS AND EVOLUTIONARY BIOLOGY OF FISHES AN ARCTIC MARINE MAMMALS.

CONOVER RJ : ZOOPLANKTON: PHYSIOLOGY, DISTRIBUTION LIFE-HISTORY & PRODUCTION ECOLOGY; MOSTLY IN NORTH TEMPERATE & ARCTIC ENVIRONMENTS. EMPHASIS ON IN SITU FEEDING METHODS & PATTERNS OF RESOURCE-UTILIZATION.

DUNBAR MJ : ARCTIC & SUBARCTIC MARINE ECOSYSTEMS; CLIMATIC CHANGE & ITS EFFECTS ON MARINE FAUNA & FLORA; BIOLOGICAL & ENVIRONMENTAL CYCLES.

GILBERT R : STUDIES OF GLACIOMARINE ENVIRONMENTS IN ARCTIC & ALPINE REGIONS OF CANADA. WORK INCLUDES ANIMAL & SEDIMENT PROCESSES, THE ACTION OF SEA ICE.

GRAINGER EH : ARCTIC MARINE ZOOPLANKTON DISTRIBUTION AND ECOLOGY. COMPOSITION AND BIOLOGY OF THE ARCTIC SEA ICE FAUNA.

HAVAS M : EFFECTS OF LOW PH AND METALS (A1, 2N, NI, FE, CA, ETC) ON SURVIVAL, REPRODUCTION, SODIUM REGULATION CHEMICAL-COMPOSITION OF AQUATIC INVERTEBRATES FROM BOTH ARCTIC (SMOKING HILLS, NWT) AND TEMPERATE REGIONS. METAL CONTENT AND LOCALIZATION IN AQUATIC MACROPHYTES. EFFECTS OF ALUMINUM ON SUGAR-MAPLE DIEBACK.

HEINKE GW : PHYSICAL AND CHEMICAL WATER AND WASTEWATER-TREATMENT. ARCTIC ENVIRONMENTAL-ENGINEERING. URBAN INFRASTRUCTURE STUDIES.

HSIAO SIC : PHYSIOLOGICAL ECOLOGY OF ARCTIC MARINE PHYTOPLANKTON, SEA ICE MICROALGAE AND SEAWEED.

HUTCHINSON TC : ACID-RAIN STUDIES OF TERRESTRIAL-ECOSYSTEMS, HEAVY-METAL TOXICITY TO PLANTS AND ALGAE, ECOTOXICOLOGY OF NICKEL, COPPER, LEAD. EFFECTS OF SMELTERS. OIL-SPILL AND HYDROCARBON TOXICITY RESEARCH. ARCTIC AND BOREAL AREAS.

IREDALE DG : FRESHWATER FISH PRODUCT & PROCESS DEVELOPMENT INCLUDING CURED, CANNED, FORMULATED & WASTE BY-PRODUCTS. RESOURCE DEVELOPMENT INITIATIVES UNDER FISHERIES DEVELOPMENT PROGRAM TO ENHANCE VALUE & MORE EFFICIENT UTILIZATION OF FRESHWATER FISH; TECHNOLOGICAL & ECONOMIC DEVELOPMENT OF INLAND & ARCTIC FISHING INDUSTRY.

JONES EP : CHEMICAL OCEANOGRAPHY RESEARCH, PRIMARILY INVOLVING NUTRIENTS, OXYGEN, ALKALINITY, CARBONATE AND FREONS. AREAS STUDIED INCLUDE ARCTIC OCEAN, BAFFIN-BAY, CANADIAN ARCHIPELAGO, LABRADOR-SEA AND NORTH ATLANTIC OCEAN.

KALFF J : AQUATIC ECOLOGY, LIMNOLOGY, MACROPHYTES AND PHYTOPLANKTON, NUTRIENTS, PRODUCTION AND BIOMASS, WATERSHEDS, NUTRIENT AND TOXINS RELATIONSHIPS OF PRIMARY PRODUCTION TO SECONDARY AND FISH PRODUCTION. TROPICAL, TEMPERATE AND ARCTIC LAKES.

KERSHAW GP : RECLAMATION & MITIGATION OF ARCTIC, SUBARCTIC & ALPINE DISTURBANCES DEVELOPMENT OF RESOURCES. ASPEN PARKLAND, BOREAL, SUBARCTIC, ALPINE & ARCTIC ECOSYSTEMS STRUCTURE & FUNCTION.

MARSHALL DWI : ENVIRONMENTAL-PROTECTION, ENVIRONMENTAL ENGINEERING, ENVIRONMENTAL DESIGN, ENVIRONMENTAL AND SOCIAL IMPACT-ASSESSMENT, PUBLIC-PARTICIPATION, PROVISION OF TECHNICAL AND ADMINISTRATIVE ADVICE TO ENVIRONMENTAL REVIEW COMMISSIONS, CHAIRMAN OF PUBLIC REVIEW PANELS, POLICY FORMULATION, PROGRAM AND PROJECT MANAGEMENT. ARCTIC PILOT PROJECT.

MCLEAN DM : ARBOVIRUS FIELD AND LABORATORY INVESTIGATIONS IN ARCTIC CANADA. MICROBIOLOGICAL (VIROLOGICAL) STANDARDS FOR ENVIRONMENTAL WATERS (FRESH AND MARINE).

NETTLESHIP DN : HEAD LONG-TERM RESEARCH PROGRAM ON REPRODUCTIVE AND PELAGIC-ECOLOGY OF SEABIRD POPULATIONS IN NORTH-WEST ATLANTIC, PARTICULARLY ATLANTIC CANADA AND EASTERN CANADIAN ARCTIC. PUBLICATIONS INCLUDE: "ATLAS OF EASTERN CANADIAN SEABIRDS", "ECOLOGICAL SITES IN NORTHERN CANADA", "CONSERVATION OF MARINE BIRDS OF NORTHERN NORTH-AMERICA", AND "THE THICK-BILLED MURRES OF PRINCE-LEOPOLD ISLAND; BREEDING ECOLOGY OF A COLONIAL HIGH ARCTIC SEABIRD."

OLSON MP : APPLICATION OF LAGRANGIAN (TRAJECTORY) LONG-RANGE-TRANSPORT-OF-AIR-POLLUTANTS MODEL TO NORTH AMERICAN, ARCTIC & SOME WESTERN EUROPEAN DOMAINS. MAINTAIN DATA-BASES FOR MODEL APPLICATIONS.

PERCY JA : ECOLOGY & PHYSIOLOGY OF ARCTIC MARINE INVERTEBRATES; SHORT AND LONG-TERM RESPONSES TO ENVIRONMENTAL STRESSES, PARTICULARLY THOSE ASSOCIATED WITH SEASONAL OSCILLATIONS IN THE ENVIRONMENT. PHYSIOLOGICAL EFFECTS OF PETROLEUM ON ARCTIC MARINE INVERTEBRATES.

REID JR : LAND-USE INFORMATION SERIES OF MAPS COVERS NORTHWEST-TERRITORIES & YUKON EXCLUDING NORTHERN HIGH ARCTIC. INFORMATION PROVIDED IN TEXT & MAP FORM INCLUDES WIDE RANGE OF ENVIRONMENTAL & SOCIAL TOPICS.

RING RA : ECOLOGY AND PHYSIOLOGY OF OVERWINTERING BIOLOGY IN ARCTIC AND ALPINE-INSECTS. ECOLOGY OF INTERTIDAL INSECTS. USE OF PHEROMONES IN INSECT-CONTROL.

ROFF JC : BROAD EXPERTISE IN AQUATIC SCIENCES, MARINE, ESTUARINE, FRESHWATER AND STREAMS, ECOSYSTEMS, ARCTIC CHEMICAL AND BIOLOGICAL OCEANOGRAPHY.

ARCTIC

SANDILANDS RW : FIELD SURVEYS: OPERATIONS IN BRITISH-COLUMBIA COAST, WESTERN ARCTIC. MARITIME HISTORY: BRITISH-COLUMBIA, WESTERN ARCTIC & GREAT-LAKES. TOPONOMY IN COASTAL BRITISH-COLUMBIA. NATURAL-RESOURCE CHARTING; SURVEY POSITIONING; OFFSHORE MINERAL RESOURCE DEVELOPMENT.
SMOL JP : LIMNOLOGICAL & PALEOLIMNOLOGICAL STUDIES IN NORTH AMERICA INCLUDING THE HIGH ARCTIC & EUROPE. PALEOECOLOGICAL RECORD OF LAKE ACIDIFICATION.
STEWART DB : BIOLOGICAL AND LIMNOLOGICAL INVENTORY OF LAKES IN THE NORTHWEST TERRITORIES; ZOOGEOGRAPHY, ECOLOGY, LIFE-HISTORY, AND PARASITISM OF ARCTIC FRESHWATER ANADROMOUS, AND MARINE FISHES; ZOOPLANKTON, PHYTOPLANKTON, AQUATIC INSECTS, AND WATER-CHEMISTRY OF ARCTIC LAKES; PHOTOGRAPHIC RECORD.
ZOLTAI SC : RESEARCH IN DYNAMICS OF WETLANDS IN ARCTIC, SUBARCTIC AND BOREAL REGIONS. RESEARCH IN ENVIRONMENTAL-IMPACT-ASSESSMENT AND IN PLANT SOIL RELATIONSHIPS IN THE ABOVE REGIONS OF CANADA.

ARCTIQUE

POULIN M : ETUDE TAXONOMIQUE PORTANT SUR LES DIATOMEES (BACILLARIOPHYCEAE) MARINES ET ESTUARIENNES DE L' EST DU CANADA. REVISION TAXONOMIQUE DES DIATOMEES ASSOCIEES AUX GLACE DE MER DE L' ARCTIQUE CANADIEN. ETUDE DU GENRE NAVICULA ET DE SES REPRESENTANTS EN SECTEUR CANADIEN.

ARSENIC

BOYLE RW : GEOCHEMISTRY: OF PRECIOUS METALS (AU, AG, PT); OF ARSENIC, ANTIMONY AND BISMUTH AND OF NICKEL AND COBALT IN ROCKS, SOIL AND NATURAL-WATERS.
DABEKA WR : ANALYSIS FOR TRACE-ELEMENTS, TOXIC ELEMENTS; LEAD CADMIUM, ARSENIC, TIN, FLUORIDE, MERCURY; FOOD DIETARY INTAKES; ANALYTICAL WATER. INSTRUMENTAL EXPERTISE: GRAPHITE FURNACE ATOMIC, ABSORPTION SPECTROMETRY.

ARTHROPODS

LE BLANC JPR : POPULATION ECOLOGY; EFFECTS OF TEMPERATURE ON THE PREDATORY PHYTOSEIID-MITES ON APPLE. SOIL ARTHROPODS SURVEY & RELATIONSHIP TO SOIL-FERTILITY. INTEGRATED PEST-MANAGEMENT PROGRAMS OF AGRICULTURAL PESTS, PRIMARILY TRAPPING & MONITORING TECHNIQUES. CURATOR OF THE ENTOMOLOGICAL COLLECTIONS.

ASBESTOS

HUNSINGER RB : MICRO CONTAMINANTS IN DRINKING-WATER (ASBESTOS, DIOXINS ETC.) INCLUDING SAMPLING METHODS & FATE WITHIN THE TREATMENT TRAIN & REMOVAL METHODS. DRINKING-WATER DATA-BASES (DWSP). DRINKING-WATER TREATMENT.
MERANGER JC : CHARACTERIZATION OF FIBROUS DUSTS INCLUDING ASBESTOS. ANALYSIS OF WATER, AIR AND BIOLOGICAL SAMPLES. EFFECTS OF ACIDIC-DEPOSITION ON QUALITY OF DRINKING-WATER (TRACE-ELEMENT CONTAMINATION). TRACE-ELEMENT METHOD DEVELOPMENT.
SCHREIER H : SOIL & SEDIMENT CHEMISTRY. TRACE-METAL CONTAMINATION. ASBESTOS IN THE ENVIRONMENT (SOIL, ROCKS, SEDIMENT, WATER, BIOTA). SOIL FERTILITY. REMOTE-SENSING.
TOFT P : CONTAMINANTS IN DRINKING-WATER. CONTAMINANTS IN INDOOR-AIR. HAZARD EVALUATION. ASBESTOS. GUIDELINES FOR HUMAN EXPOSURE.

ASH

FRIEDRICH FD : PILOT SCALE RESEARCH & FULL SCALE DEMONSTRATION ON ATMOSPHERIC FLUIDIZED BED COMBUSTION TO UTILIZE HIGH ASH, HIGH SULPHUR FUELS (COAL, REFINING RESIDUES) FOR INDUSTRIAL STEAM OR THERMAL POWER.
TORRENUEVA AL : MONITORING ENVIRONMENTAL-IMPACT ASSOCIATED WITH CONSTRUCTION & OPERATION OF ELECTRIC GENERATING STATIONS (THERMAL, HYDRAULIC & NUCLEAR). NUCLEAR). RESEARCH ON THE EFFECTS OF ACID-DEPOSITION & OTHER AIR-POLLUTANTS ON BIOLOGICAL SYSTEMS. REVEGETATION OF ASH DISPOSAL AREAS.

ASIA

HANSON AJ : FISHERIES COASTAL ZONE AND OCEAN MANAGEMENT. RESOURCE ECOLOGY AND DEVELOPMENT. FOREST BIOMASS FOR ENERGY. INTERNATIONAL DEVELOPMENT AND THE ENVIRONMENT WITH EXPERTISE IN SOUTHEAST ASIA AND CARIBBEAN.

ASPEN

KERSHAW GP : RECLAMATION & MITIGATION OF ARCTIC, SUBARCTIC & ALPINE DISTURBANCES DEVELOPMENT OF RESOURCES. ASPEN PARKLAND, BOREAL, SUBARCTIC, ALPINE & ARCTIC ECOSYSTEMS STRUCTURE & FUNCTION.

ASSAINISSEMENT-EAU

COUILLARD D : ASSAINISSEMENT-EAU; EPURATION-EAU; TRAITEMENT-EAUX-USEES; EAUX-USEES; EFFLUENT; RUISSELLEMENT URBAIN; RUISSELLEMENT MUNICIPALITE; BIOINDICATEUR EAU; TOXICITE EAUX-USEES.

FOUQUET G : TELEDETECTION DES DECHETS, ECOTOXICOLOGIE. AMENAGEMENT DES TERRITOIRES, ASSAINISSEMENT-EAU ET GENIE-MUNICIPAL.

GODBOUT G : BIBLIOGRAPHIES; DOCUMENTATION; INFORMATION SCIENTIFIQUE; TELEREFERENCE; REFERENCE; RENSEIGNEMENT TECHNIQUE; BANQUE-BIBLIOGRAPHIQUE AUTOMATISEE; ENVIRONNEMENT EAU; RESSOURCE EAU; ENVIRONNEMENT-AQUATIQUE; EAU RESSOURCE; ECOLOGIE EAU; ECOLOGIE-AQUATIQUE; HYDROLOGIE; LIMNOLOGIE; ASSAINISSEMENT-EAU; TRAITEMENT-EAUX-USEES.

INRS-EAU : RECHERCHE MULTIDISCIPLINAIRE; ENSEIGNEMENT MULTIDISCIPLINAIRE; CENTRE DE RECHERCHE; RECHERCHE UNIVERSITAIRE; ENVIRONNEMENT EAU; RESSOURCE-EAU; ECOLOGIE EAU; HYDROLOGIE; HYDROBIOLOGIE; LIMNOLOGIE; ASSAINISSEMENT-EAU; TRAITEMENT-EAUX-USEES.

LAVALLEE P : ASSAINISSEMENT-EAU: METHODOLOGIE DE LA PROPAGATION DES EAUX-USEES DEVERSEES EN COURS D'EAU. EVALUATION DE LA QUALITE-DES-EAUX-USEES DE DEBORDEMENT-DE-RESEAUX UNITAIRES. CARACTERISATION DES EAUX-USEES: INFLUENCE SUR LE MILIEU RECEPTEUR ET LA STATION DE TRAITEMENT.

ASTHMATIC

SILVERMAN F : RESPIRATORY EFFECTS OF AIR-POLLUTION ON ASTHMATIC AND HEALTHY NON-ASTHMATICS: A) CONTROLLED HUMAN EXPOSURES IN AN ENVIRONMENTAL CHAMBER (OZONE, SULPHUR-DIOXIDE, CIGARETTE-SMOKE), B) DAILY VARIATIONS IN EXPOSURE (INDOOR, OUTDOOR AND PERSONAL MONITORING).

ATLANTIC

AMBLER DC : SURFACE-WATER HYDROLOGY IN THE ATLANTIC PROVINCES AND THE EASTERN ARCTIC ISLANDS. RUNOFF SIMULATION. WATERSHED FORECASTING.

COOK RH : AQUACULTURE DEVELOPMENT (ATLANTIC SALMON, AMERICAN LOBSTER, SEA SCALLOPS) GROWTH & REPRODUCTIVE PHYSIOLOGY, DISEASE & NUTRITION, DIET FORMULATIONS, METHODS OF DISEASE-PREVENTION, GENETICS. POLLUTION EFFECTS ON FISH: ECOLOGICAL STUDIES, SUBLETHAL BIOLOGICAL EFFECTS, METHODS, DETECTION & ANALYSIS OF TRACE ORGANIC & INORGANIC TOXIC-CHEMICALS.

JONES EP : CHEMICAL OCEANOGRAPHY RESEARCH, PRIMARILY INVOLVING NUTRIENTS, OXYGEN, ALKALINITY, CARBONATE AND FREONS. AREAS STUDIED INCLUDE ARCTIC OCEAN, BAFFIN-BAY, CANADIAN ARCHIPELAGO, LABRADOR-SEA AND NORTH ATLANTIC OCEAN.

MESSIEH S : CONDUCT RESEARCH ON ATLANTIC HERRING FISHERIES & POPULATION-DYNAMICS TO PROVIDE BIOLOGICAL ADVICE ON THEIR MANAGEMENT. STUDY & EFFECT OF ENVIRONMENTAL FACTORS GROWTH, MORTALITY & RECRUITMENT.

NETTLESHIP DN : HEAD LONG-TERM RESEARCH PROGRAM ON REPRODUCTIVE AND PELAGIC-ECOLOGY OF SEABIRD POPULATIONS IN NORTH-WEST ATLANTIC, PARTICULARLY ATLANTIC CANADA AND EASTERN CANADIAN ARCTIC. PUBLICATIONS INCLUDE: "ATLAS OF EASTERN CANADIAN SEABIRDS", "ECOLOGICAL SITES IN NORTHERN CANADA", "CONSERVATION OF MARINE BIRDS OF NORTHERN NORTH-AMERICA", AND "THE THICK-BILLED MURRES OF PRINCE-LEOPOLD ISLAND; BREEDING ECOLOGY OF A COLONIAL HIGH ARCTIC SEABIRD."

POLLOCK TL : OPERATION OF A MONITORING AND SURVEY SERVICE ON THE AQUATIC ENVIRONMENT IN ATLANTIC CANADA. THIS INCLUDES EFFECTS OF LRTAP AND TOXIC-CHEMICALS, AS DEFINED BY ENVIRONMENT CANADA, ON SURFACE-WATERS, LAKE AND RIVER SEDIMENTS AND BIOTA.

RUGGLES CP : FRESHWATER FISHERIES - MANAGEMENT AND DEVELOPMENT; ENVIRONMENTAL-IMPACT-ASSESSMENT. FISH PASSAGE AT DAMS. ATLANTIC SALMON ECOLOGY.

SOUTH GR : MARINE PHYCOLOGY. EXPERIMENTAL ECOLOGY, FLORISTICS, LABORATORY CULTURE, LIFE-HISTORIES OF BENTHIC MARINE MACROALGAE. MARINE BIOGEOGRAPHY OF THE NORTH ATLANTIC OCEAN.

ATMOSPHERE

CARSWELL AI : LIDAR (LASER RADAR) DIAGNOSTICS OF THE ATMOSPHERE REMOTE-SENSING, ATMOSPHERIC OPTICS, LASER BEAM PROPAGATION AND SCATTERING IN THE ATMOSPHERE.

ELIAS L : DETECTION OF TRACE-VAPOURS AND GASES IN ATMOSPHERE. MEASUREMENT OF AIRBORNE EXPLOSIVES, NARCOTICS, PESTICIDES AND FLUOROCARBONS BY PRECONCENTRATION GAS-CHROMATOGRAPHY.

MATHEWS T : ACOUSTIC REMOTE-SENSING OF THE ATMOSPHERE USING MONOSTATIC & DOPPLER RADAR TO MEASURE TURBULENCE & WIND PROFILES TO STUDY CHINOOKS & OTHER MESOSCALE PHENOMENA & TO APPLY TO POLLUTION DISPERSION PROBLEMS.

ATMOSPHERE

MOHTADI MF : CHEMICAL TRANSFORMATIONS AND DISPERSION OF SULPHUR-DIOXIDE IN THE ATMOSPHERE. DISPERSION AND MIGRATION OF SPILLED CRUDE OIL WITHIN SOIL AND POTENTIAL ENVIRONMENTAL HAZARDS OF OIL-SPILLS ON LAND.
SATTAR SYED A : IMPACT OF VIRAL POLLUTION ON HUMAN HEALTH; SURVIVAL OF VIRUSES IN WATER, SOIL & THE ATMOSPHERE; DEVELOPMENT OF TECHNIQUES FOR VIRUS RECOVERY FROM THE ENVIRONMENT.
SIDHU SS : EFFECTS OF FLUORIDES IN THE ATMOSPHERE ON PLANTS & SOILS. EFFECTS OF SIMULATED ACID-RAIN ON PLANT POLLEN; BAFFERING CAPACITY OF PLANT SPECIES. EFFECTS OF HERBICIDES ON TARGET & NON-TARGET SPECIES; RESIDUES IN SOILS & PLANTS AND MOVEMENT OF HERBICIDES IN SOILS.
SINGLETON DL : KINETICS AND MECHANISMS OF CHEMICAL REACTIONS IN UPPER AND LOWER ATMOSPHERE.

ATMOSPHERIC

ANLAUF K : MEASUREMENT OF AMBIENT ATMOSPHERIC-POLLUTANTS RELATED TO ACIDIC-PRECIPITATION, OXIDANTS & SMOG. OXIDATION OF SULPHUR-DIOXIDE TO SULPHATE & NITROGEN-DIOXIDE TO NITRIC-ACID; ATMOSPHERIC PARTICULATE MATTER & ITS MEASUREMENT. TRANSPORT OF AIR-POLLUTION & ITS CHEMICAL TRANSFORMATION. OZONE.
BARRIE LA : ATMOSPHERIC CYCLE OF TRACE CONSTITUENTS. STUDY OF ACID-RAIN PHENOMENA ON A REGIONAL SCALE & ARCTIC AIR POLLUTION ON AN HEMISPHERIC SCALE. COMPUTER MODEL OF ARCTIC AIR-POLLUTION USED TO INVESTIGATE COMPLEX INTERACTIONS OF TRANSPORT, TRANSFORMATION & REMOVAL. ROUTINE AEROSOL SCIENCE MEASUREMENTS ARE MADE IN THE CANADIAN ARCTIC. RELATIONSHIP BETWEEN AIR & PRECIPITATION TRACE ELEMENTAL COMPOSITION & POLLUTANT ORIGIN UNDER INVESTIGATION.
BLOXAM RM : APPLIED ATMOSPHERIC MODELLING. LONG-RANGE-TRANSPORT RELATED TO EITHER AIR-QUALITY OR TO DRY & WET DEPOSITION. SHORT RANGE AIR-QUALITY MODELLING.
CARSWELL AI : LIDAR (LASER RADAR) DIAGNOSTICS OF THE ATMOSPHERE REMOTE-SENSING, ATMOSPHERIC OPTICS, LASER BEAM PROPAGATION AND SCATTERING IN THE ATMOSPHERE.
CRABBE RS : EFFECT OF ATMOSPHERIC THERMAL STABILITY ON DEPOSITION & WINDBORNE DRIFT OF AERIAL FOREST PESTICIDE SPRAYS.
FRIEDRICH FD : PILOT SCALE RESEARCH & FULL SCALE DEMONSTRATION ON ATMOSPHERIC FLUIDIZED BED COMBUSTION TO UTILIZE HIGH ASH, HIGH SULPHUR FUELS (COAL, REFINING RESIDUES) FOR INDUSTRIAL STEAM OR THERMAL POWER.
GNYP AW : STACK, AMBIENT AND IN-PLANT SAMPLING AND CONTINUOUS MONITORING FOR PARTICULATE AND GASEOUS POLLUTANTS: PARTICLE-SIZING: ODOUR MEASUREMENT AND CONTROL: DESIGN OF CONTROL EQUIPMENT FOR GASEOUS PARTICULATE AND ODOUROUS POLLUTANTS: LONG AND SHORT RANGE ATMOSPHERIC TRANSPORT: SOLID-WASTE DISPOSAL.
HOWARD TE : INDUSTRIAL-HYGIENE. ENVIRONMENTAL HEALTH STUDIES. AIR-POLLUTION STUDIES: IMPACT OF AIR EMISSIONS, ACID-RAIN, ODOUR CONTROL. MODELLING ATMOSPHERIC DISPERSION OF AIR-POLLUTANTS. WATER STUDIES. UPTAKE OF METALS BY AQUATIC ORGANISMS. BIOASSAYS. WASTEWATER-TREATMENT. REMOTE-SENSING. LANDFILL LEACHATE CONTROL.
LANE DA : PHOTODECOMPOSITION OF (PAH) DATA-BASE; POLYCYCLIC-AROMATIC-HYDROCARBONS. DESORPTION OF ORGANICS FROM PARTICULATE MATTER; TRACE AND ULTRA-TRACE ANALYSIS OF GAS AND PARTICULATE PHASE TOXIC-COMPOUNDS; MASS-SPECTROMETRY (MS); TRIPLE QUADRUPOLE MS; ATMOSPHERIC PRESSURE CHEMICAL IONIZATION MS; MOBILE MS.
LAWRENCE GR : RESOURCE EXPLORATION AND PRODUCTION SUPPORT, GROUNDWATER AND WASTE-SITE EVALUATION, WEATHER MODIFICATION AND METEOROLOGICAL SERVICES, REMOTE-SENSING AND BIOPHYSICAL STUDIES. PETROLEUM ENGINEERING, HYDROGEOLOGICAL, ATMOSPHERIC AND BIOPHYSICAL ASSESSMENTS.
LOWRY RT : RADAR REMOTE-SENSING; ICE MANAGEMENT SYSTEMS; ATMOSPHERIC MODELLING; GROUNDWATER MODELLING GEOLOGICAL TESTING, LAND-USE MAPPING; WEATHER MODIFICATION; APPLIED MECHANICS.
MACPHERSON JI : OPERATE NRC TWIN OTTER ATMOSPHERIC RESEARCH AIRCRAFT IN FOLLOWING TYPES OF EXPERIMENTS: WEATHER MODIFICATION, AIR SAMPLING, TURBULENCE RESEARCH, CO2-FLUX MEASUREMENT, ACID-RAIN RESEARCH.
MCADIE HG : AIR-MONITORING SURVEYS. ANALYTICAL METHODS FOR AIR-POLLUTION MEASUREMENT. ATMOSPHERIC TRANSPORT. INTERNATIONAL STANDARDS.
SAINTSBURY JA : GAS TURBINE COMBUSTION AND EMISSIONS. RESEARCH AND DEVELOPMENT OF SIMPLE AUTOMOBILE GAS TURBINE COMBUSTORS FOR LOW EMISSIONS. DESIGNING SMALL GAS TURBINE ENGINES FOR LOW NOISE AND CLEAN EXHAUST. ATMOSPHERIC TEST OF A VARIABLE GEOMETRY COMBUSTION FOR LOW EMISSIONS. EMISSIONS RESEARCH ON A SIMPLE VARIABLE GEOMETRY GAS TURBINE COMBUSTOR.
SCHIFF H : MEASUREMENT OF ATMOSPHERIC GASES. ATMOSPHERIC-CHEMISTRY. OZONE DEPLETION. ACID-DEPOSITION. PHOTOCHEMICAL OXIDANTS & SMOG. GLOBAL CLIMATE INFLUENCED BY ATMOSPHERIC-CHEMISTRY.
SCHROEDER WH : ATMOSPHERIC-CHEMISTRY; PHOTOCHEMISTRY; MERCURY & ITS COMPOUNDS IN THE ENVIRONMENT; HEAVY-METALS & AMBIENT AIR; SAMPLING & ANALYSIS OF TRACE-ELEMENTS; TOXIC-CHEMICALS: ATMOSPHERIC SOURCES, TRANSPORT, TRANSFORMATION, REMOVAL & ENVIRONMENTAL FATE.
SCOTT GW : RESEARCH INFORMATION ON ACID-RAIN: ATMOSPHERIC PROCESSES, AQUATIC EFFECTS (INCLUDES LAKE LIMING), TERRESTRIAL EFFECTS, SOCIO-ECONOMIC EFFECTS.
TAYLOR PA : STUDIES OF WIND & TURBULENCE IN THE ATMOSPHERIC BOUNDARY LAYER, ESPECIALLY IN COMPLEX TERRAIN. WIND ENGINEERING APPLICATIONS OF THIS WORK, ESPECIALLY IN WOOD TURBINE SITE SELECTION & EVALUATION. NUMERICAL MODELLING & FIELD OBSERVATIONS.

ATMOSPHERIC

TRACK BL : ASSESSMENT OF DOSES & HEALTH EFFECTS OF ENVIRONMENTAL RADIATION. FOOD CHAIN TRANSFER OF RADIONUCLIDES. ATMOSPHERIC DISPERSION OF RADIONUCLIDES. HUMAN METABOLISM OF RADIONUCLIDES.

WILSON MA : MANAGES RESEARCH AND DEVELOPMENT PROJECTS ON POLLUTION-CONTROL TECHNOLOGY; SPECIFICALLY IN WATER AND WASTEWATER-TREATMENT, WASTE-MANAGEMENT AND ATMOSPHERIC EMISSION CONTROL. AREAS OF WORK INCLUDE PULP-AND-PAPER, SOUR-GAS AND HAZARDOUS-WASTE DISPOSAL.

YOUNG JWS : LRTAP, TOXIC-CHEMICALS, ENERGY, NORTH, GREAT-LAKES WATER-QUALITY, AIR-QUALITY, CLIMATE CHANGE, OXIDANTS. MAIN FOCUS IS THE ATMOSPHERIC PATHWAY PORTION OF THESE AREAS.

ATMOSPHERIC-CHEMISTRY

LUSIS MA : ACIDIC-DEPOSITION (WET & DRY). TOXICS DEPOSITION (PCBS, PESTICIDES, PAHS, DIOXINS). OXIDANTS. ATMOSPHERIC-CHEMISTRY & DISPERSION. MATHEMATICAL-MODELLING OF LRTAP.

SANDERSON HP : ENVIRONMENTAL-HEALTH; ATMOSPHERIC-CHEMISTRY: ORGANIC & INORGANIC; OCCUPATIONAL-HEALTH & WORK ENVIRONMENT. CRITERIA DOCUMENTATION, STANDARDIZATION, METHODOLOGY, ETC.

SANDHU HS : PHOCHEMICAL AIR-POLLUTION & ATMOSPHERIC-CHEMISTRY. ACIDIC-DEPOSITION INCLUDING TRANSPORT.

SCHIFF H : MEASUREMENT OF ATMOSPHERIC GASES. ATMOSPHERIC-CHEMISTRY. OZONE DEPLETION. ACID-DEPOSITION. PHOTOCHEMICAL OXIDANTS & SMOG. GLOBAL CLIMATE INFLUENCED BY ATMOSPHERIC-CHEMISTRY.

SCHROEDER WH : ATMOSPHERIC-CHEMISTRY; PHOTOCHEMISTRY; MERCURY & ITS COMPOUNDS IN THE ENVIRONMENT; HEAVY-METALS & AMBIENT AIR; SAMPLING & ANALYSIS OF TRACE-ELEMENTS; TOXIC-CHEMICALS: ATMOSPHERIC SOURCES, TRANSPORT, TRANSFORMATION, REMOVAL & ENVIRONMENTAL FATE.

ATMOSPHERIC-DEPOSITION

DILLON P : EFFECTS OF ATMOSPHERIC-DEPOSITION ON AQUATIC-CHEMISTRY THROUGH THE USE OF THE CALIBRATED WATERSHED TECHNIQUE. A WIDE VARIETY OF BIOLOGICAL STUDIES AND TERRESTRIAL INVESTIGATIONS ARE ALSO COORDINATED AT THE CENTRE.

KELSO JRM : EFFECTS OF ATMOSPHERIC-DEPOSITION ON FISHERIES-RESOURCES EFFECTS OF CONTAMINANTS ON FISH POPULATIONS (BODY BURDENS, BEHAVIOUR).

ATMOSPHERIC-POLLUTANTS

ANLAUF K : MEASUREMENT OF AMBIENT ATMOSPHERIC-POLLUTANTS RELATED TO ACIDIC-PRECIPITATION, OXIDANTS & SMOG. OXIDATION OF SULPHUR-DIOXIDE TO SULPHATE & NITROGEN-DIOXIDE TO NITRIC-ACID; ATMOSPHERIC PARTICULATE MATTER & ITS MEASUREMENT. TRANSPORT OF AIR-POLLUTION & ITS CHEMICAL TRANSFORMATION. OZONE.

GLOOSCHENKO W : ECOLOGY OF WETLANDS; PEAT; LONG-RANGE TRANSPORT OF ATMOSPHERIC-POLLUTANTS, TRACE-ELEMENT GEOCHEMISTRY.

TOROSSIAN H : METHOD DEVELOPMENT FOR MEASUREMENT OF ATMOSPHERIC-POLLUTANTS. SOURCE TESTING FOR STACK GAS & PARTICULATE EMISSIONS. DESIGN AND SELECTION OF EQUIPMENT FOR AIR-POLLUTION ABATEMENT. MANAGEMENT OF PCB WASTES.

ATMOSPHERIC-POLLUTION

ADDISON PA : RESEARCH IN ENVIRONMENTAL FORESTRY RELATED PRIMARILY TO THE EFFECTS OF ATMOSPHERIC-POLLUTION ON FOREST ECOSYSTEMS. THIS INCLUDES GROWTH & YIELD STUDIES, BIOMONITORING USING BOTH CRYPTOGAMS & HIGHER PLANTS & SOIL BIOLOGICAL & CHEMICAL RESPONSE MEASUREMENTS.

WEAVER ME : RESEARCH AND INVESTIGATION OF EFFECTS OF ATMOSPHERIC-POLLUTION ON CULTURAL HERITAGE RESOURCES AND THE BUILT ENVIRONMENT. MASONRY, STONE, BRICK, TERRACOTTA, BRONZES. STATUARY AND ARCHAEOLOGICAL SITES AND THEIR PROTECTION.

ATOMIC

AFGHAN BK : ANALYTICAL-CHEMISTRY. RESEARCH AND OPERATIONAL EXPERIENCE IN MODERN VOLTAMETRIC AND ELECTROANALYTICAL TECHNIQUES, HIGH SPEED LIQUID CHROMATOGRAPHY, HIGH RESOLUTION GAS CHROMATOGRAPHY, ATOMIC AND MOLECULAR ADSORPTION AND LUMINESCENCE TECHNIQUES.

DABEKA WR : ANALYSIS FOR TRACE-ELEMENTS, TOXIC ELEMENTS; LEAD CADMIUM, ARSENIC, TIN, FLUORIDE, MERCURY; FOOD DIETARY INTAKES; ANALYTICAL WATER. INSTRUMENTAL EXPERTISE: GRAPHITE FURNACE ATOMIC, ABSORPTION SPECTROMETRY.

MOSELHY MM : ENVIRONMENTAL RESEARCH PLANNING. POLICY ANALYSIS. AIR, WATER, WASTE POLLUTION ANALYSIS; EFFECTS. ANALYTICAL-CHEMISTRY. ATOMIC EMISSION SPECTROSCOPY MULTIELEMENTAL ANALYSIS.

AUBERGINE

OUELLETTE GB : PATHOLOGIE VEGETALE (SPECIALITE FORESTIERE): FLETRISSEMENTS-FONGIQUES (ORME, TOMATE, AUBERGINE). RELATIONS HOTE-PATHOGENE AU MOYEN: TECHNIQUES MICROSCOPIE ELECTRONIQUE (TRANSMISSION ET BALAYAGE ET MICROANALYSE) & IMMUNOCYCYTOCHIMIQUES. DETECTION DE SUBSTANCES ANTIFONGIQUES OU TOXIQUES. MYCOLOGIE.

AVALANCHE

GERATH RF : AERIAL-PHOTOGRAPHY INTERPRETATION FOR GEOTECHNICAL ENGINEERING AND RELATED ENVIRONMENTAL STUDIES. SPECIALIST IN ROUTE/SITE-LOCATION STUDIES, LANDSLIDES AND SNOW AVALANCHE HAZARD EVOLUTIONS.

PALMER JHL : EXPERTISE IN AVALANCHE HAZARDS & PREDICTION, FROST ACTION, ICE FORCES ON STRUCTURES, ICE PROPERTIES, PERMAFROST ENGINEERING, SLOPE STABILITY, THERMAL REGIME OF SOIL. HEAD, GEOTECHNICAL SECTION.

AVALANCHES

GARDNER JS : SNOW & ICE HYDROLOGY, GLACIOLOGY & EROSION IN HIGH MOUNTAIN AREAS. NATURAL HAZARDS (FLOODS, AVALANCHES, LANDSLIDES IN MOUNTAIN ENVIRONMENTS.

AVENA-FATUA-L

RAJU MVS : RESEARCH INTERESTS HAVE BEEN THE STUDIES ON VARIOUS ASPECTS OF ANATOMY AND MORPHOLOGY OF VASCULAR PLANTS OF THE PRAIRIES. MORPHOLOGICAL STUDIES INCLUDE LIFE-HISTORIES OF PLANTS, ESPECIALLY OF SOME SELECTED PRAIRIE WEED SPECIES, SUCH AS LEAFY-SPURGE (EUPHORBIA-ESULA-L.), WILD OATS (AVENA-FATUA-L.), ETC.

BACILLARIOPHYCEAE

POULIN M : ETUDE TAXONOMIQUE PORTANT SUR LES DIATOMEES (BACILLARIOPHYCEAE) MARINES ET ESTUARIENNES DE L' EST DU CANADA. REVISION TAXONOMIQUE DES DIATOMEES ASSOCIEES AUX GLACE DE MER DE L' ARCTIQUE CANADIEN. ETUDE DU GENRE NAVICULA ET DE SES REPRESENTANTS EN SECTEUR CANADIEN.

BACILLUS

KHACHATOURIANS GG : ASSESSMENT OF MICROBIAL TOXINS FOUND IN THE ENVIRONMENT. WORK ON MYCOTOXINS T-2, VOMITOXIN, BACILLUS THURINGIENSIS, DELTA TOXIN & ENTEROTOXINS ON INVERTEBRATES IN NATURAL ENVIRONMENTS. ANALYSIS OF POTENTIAL ENVIRONMENTAL TOXICANTS BY MICROBIAL MUTAGENICITY TESTS. EPIDEMIOLOGY OF ENTEROTOXIGENIC E.-COLI IN HUMAN & ANIMAL ENVIRONMENTS. PERSISTANCE OF MICROBIAL INSECTICIDES IN THE AGRICULTURAL ENVIRONMENT.

VALERO JR : LUTTE MICROBIOLOGIQUE CONTRE LES INSECTES NUISIBLES. APPLICATION OPERATIONNELLE DE BACILLUS THURINGIENSIS POUR LE CONTROLE DES LEPIDOPTERES UTILISATION DES VIRUS ENTOMOPATHOGENES, EN PARTICULIER LES BACULOVIRUS POUR LA REPRESSION A COURT ET A LONG TERMES DES INSECTES. PATHO-BIOCHIMIE DES INSECTES.

BACTERIA

ALBRIGHT LJ : DEGRADATION OF AQUATIC POLLUTANTS BY AQUATIC DEGRADATION. INFLUENCES OF POLLUTANTS UPON HETEROTROPHIC BACTERIA WITHIN AQUATIC ENVIRONMENTS.

CLARK JA : MICROBIAL ANALYSIS OF DRINKING-WATER SAMPLES FOR POLLUTION INDICATOR BACTERIA BY MEMBRANE FILTER AND PRESENCE ABSENCE TESTS.

FORSBERG CW : CELLULOSE & HEMICELLULOSE DIGESTION BY RUMEN BACTERIA; PROTEIN DIGESTION BY RUMEN MICROORGANISMS. ACETONE & BUTANOL PRODUCTION FROM CELLULOSIC & HEMICELLULOSIC MATERIALS BY CLOSTRIDIUM-ACETOBUTYLICUM; GENETIC MANIPULATION OF RUMEN BACTERIA.

FUJIKAWA J : CHARACTERIZATION & ASSESSMENT OF THE BIOTRANSFORMATIONAL POTENTIAL OF BACTERIA IN SUBSOIL & GROUNDWATER ENVIRONMENT.

HOLDER-FRANKLIN MA : MATHEMATICAL-MODELS FOR THE MEASUREMENT OF POPULATION SHIFTS OF RIVER BACTERIA IN RESPONSE TO ENVIRONMENTAL CHANGE: PRIMARILY MULTIVARIATE STATISTICAL ALGORITHMS.

LEE K : EVALUATION & DESIGN OF METHODS TO ENHANCE THE BIODEGRADATION OF PETROLEUM IN THE MARINE ENVIRONMENT. EFFECTS OF OIL DISPERSANTS ON MICROORGANISMS (BACTERIA & PHYTOPLANKTON). EFFECTS OF VANADIUM ON PHYTOPLANKTON PHYSIOLOGY & ECOLOGY.

PALMER MD : WATER-QUALITY STUDIES AND PREDICTION MODELLING; BEACH BACTERIA CONTAMINANT MANAGEMENT STUDIES; OUTFALL AND INTAKE STUDIES AND DESIGN; DISPERSION AND TRANSPORT IN COASTAL REGIONS; HAZARDOUS-CHEMICALS MIXINC ZONE PREDICTIONS AND RISK-ASSESSMENT; WATER-QUALITY MANAGEMENT PLANNING MODELS.

BACTERIA

TU CM : INTERACTION BETWEEN PESTICIDES AND SOIL MICROORGANISMS. DEVELOPMENT OF FUNGICIDE RESISTANT RHYZOBIAL BACTERIA. FEASIBILITY OF USING ENTOMOPHTHORA-MUSCAL TO CONTROL DIPTEROUS INSECTS.

BACULOVIRUS

FAULKNER P : MOLECULAR GENETICS OF INSECT BACULOVIRUSES. PHYSICAL MAPPING OF BACULOVIRUS GENOMES. USE OF THE BACULOVIRUS AS AN EXPRESSION VECTOR OF FOREIGN DNA. MOLECULAR BASIS OF VIRUS VIRULENCE AND HOST RANGE.

VALERO JR : LUTTE MICROBIOLOGIQUE CONTRE LES INSECTES NUISIBLES. APPLICATION OPERATIONNELLE DE BACILLUS THURINGIENSIS POUR LE CONTROLE DES LEPIDOPTERES UTILISATION DES VIRUS ENTOMOPATHOGENES, EN PARTICULIER LES BACULOVIRUS POUR LA REPRESSION A COURT ET A LONG TERMES DES INSECTES. PATHO-BIOCHIMIE DES INSECTES.

BAFFIN-BAY

AKSU A E : PALEOCLIMATIC AND OCEANOGRAPHIC EVOLUTION OF THE LABRADOR-SEA AND BAFFIN-BAY DURING THE LAST 25 MA ODP (LEG 105) ARCTIC OCEAN CHRONOSTRATIGRAPHY. SEISMIC STRATIGRAPHY OF SMALL DELTAS IN MICROTIDAL SETTING (AEGEAN-SEA). SEDIMENTOLOGY AND GEOCHEMISTRY OF SALINE AND BITTER LAKES IN ANATOLIA. AMINO-ACID EPIMERIZATION IN FORAMINIFERA. SEDIMENTOLOGY AND SEISMIC STRATIGRAPHY OF FIORDS AND BAYS AROUND NEWFOUNDLAND. SEDIMENTOLOGY OF SHELF BASINS, SLOPE AND RISE TRANSITION.

JONES EP : CHEMICAL OCEANOGRAPHY RESEARCH, PRIMARILY INVOLVING NUTRIENTS, OXYGEN, ALKALINITY, CARBONATE AND FREONS. AREAS STUDIED INCLUDE ARCTIC OCEAN, BAFFIN-BAY, CANADIAN ARCHIPELAGO, LABRADOR-SEA AND NORTH ATLANTIC OCEAN.

BANQUE-BIBLIOGRAPHIQUE

GOBEIL L : CENTRE D'INFORMATION, DE REFERENCE ET DE DOCUMENTATION SUR LES PRECIPITATIONS-ACIDES. PRODUCTION DE LA BANQUE-BIBLIOGRAPHIQUE AUTOMATISEE ACIDOC ACCESSIBLE VIA 1ST INFORMATEQUE INC ET LOGICIEL QUESTEL PLUS. PUBLICATION DE PROPOS ACIDES, BULLETIN TRIMESTRIEL D'INFORMATION.

GODBOUT G : BIBLIOGRAPHIES; DOCUMENTATION; INFORMATION SCIENTIFIQUE; TELEREFERENCE; REFERENCE; RENSEIGNEMENT TECHNIQUE; BANQUE-BIBLIOGRAPHIQUE AUTOMATISEE; ENVIRONNEMENT EAU; RESSOURCE EAU; ENVIRONNEMENT-AQUATIQUE; EAU RESSOURCE; ECOLOGIE EAU; ECOLOGIE-AQUATIQUE; HYDROLOGIE; LIMNOLOGIE; ASSAINISSEMENT-EAU; TRAITEMENT-EAUX-USEES.

NOBREGA G : DOCUMENTATION, RENSEIGNEMENT, TELEREFERENCE EN ENVIRONNEMENT. PRODUCTEUR DE LA BANQUE-BIBLIOGRAPHIQUE AUTOMATISEE ENVIRONMENTALE SUR L' INVENTAIRE BIOPHYSIQUE DU QUEBEC. RESPONSABLE CENTRE DE DOCUMENTATION.

BANQUE-INFORMATISEE

LAPOINTE L : COORDINATION TECHNIQUE DU DOSSIER DES PRECIPITATIONS-ACIDES; MAINTIEN ET MISE A JOUR DE LA BANQUE-INFORMATISEE INTERNATIONALE SUR LES PRECIPITATIONS-ACIDES (ACIDOC).

BARK

SAFRANYIK L : CONDUCT STUDIES OF THE MANAGEMENT & POPULATION-DYNAMICS OF DESTRUCTIVE BARK BEETLES IN CONIFEROUS FORESTS. DEVELOP TECHNIQUES & MANAGEMENT GUIDELINES FOR PREVENTING & REDUCING LOSSES FROM DESTRUCTIVE BARK BEETLES.

SWAN EP : RESEARCH IN THE CHEMISTRY OF EXTRACTIVES FROM WOOD, BARK, AND FOLIAGE FROM WESTERN CONIFERS. APPLICATIONS TO COMMERCIAL PROCESSES SUCH AS SPECIES IDENTIFICATION.

BARLEY

BOWREN KE : TESTING HERBICIDES FOR WEED CONTROL IN BARLEY, FLAX AND CANOLA CROPS.

BATS

FENTON MB : BEHAVIOUR OF BATS (CHIROPTERA); ECHOLOCATION, SOCIAL INTERACTIONS; FEEDING, CONTROL; COMMUNICATION; ULTRASONICS.

BEETLES

DOANE JF : BIOLOGY, BEHAVIOUR AND CONTROL OF WIREWORMS, GROUND BEETLES AND OTHER SOIL INSECTS. IMPACT OF PESTICIDES ON NON-TARGET ORGANISMS PARTICULARLY IN CROP ECOSYSTEMS.

BEETLES

SAFRANYIK L : CONDUCT STUDIES OF THE MANAGEMENT & POPULATION-DYNAMICS OF DESTRUCTIVE BARK BEETLES IN CONIFEROUS FORESTS. DEVELOP TECHNIQUES & MANAGEMENT GUIDELINES FOR PREVENTING & REDUCING LOSSES FROM DESTRUCTIVE BARK BEETLES.

BENEFIT-COST-ANALYSIS

BARLISHEN WJ : RESEARCH, ANALYSIS OF CONSUMPTIVE WATER-USE (AGRICULTURAL, INDUSTRIAL, MUNICIPAL) IN ALBERTA. ECONOMIC ANALYSIS OF QUANTIFIABLE & NON QUANTIFIABLE BENEFIT-COST-ANALYSIS OF WATER-RESOURCE DEVELOPMENT & MANAGEMENT IN ALBERTA.
GRAY JA : WATER-RESOURCE ECONOMICS AND PLANNING, WATER-QUALITY ECONOMICS, FOREST ECONOMICS, RECREATION ECONOMICS, BENEFIT-COST-ANALYSIS, ENVIRONMENTAL-IMPACT-ASSESSMENT, RESOURCE FEES AND CHARGES, RESOURCE-POLICY ANALYSIS.
THOMPSON JP : NATURAL-RESOURCE ECONOMICS (SPECIFICALLY THE SHADOW PRICING OF BIOPHYSICAL IMPACT INFORMATION FOR USE IN BENEFIT-COST-ANALYSIS), SOCIO-ECONOMIC IMPACT-ASSESSMENT, ECONOMIC FEASIBILITY STUDIES, RECREATION INVENTORY STUDIES.

BENTHIQUE

MOREAU G : EFFETS DES PLUIES-ACIDES SUR LA FAUNE BENTHIQUE ET SUR LES POISSONS, EN PARTICULIER L' OMBLE-DE-FONTAINE (SALVELINUS-FONTINALIS). ECOLOGIE DES LACS DE RESERVOIRS.

BENTHOS

CRIPPEN RW : MARINE & ESTUARINE BENTHOS, ESPECIALLY POLYCHAETES, THEIR SYSTEMATICS & TAXONOMY, COMMUNITY STRUCTURE & INTERACTION WITH ENVIRONMENTAL CONDITIONS, BOTH NATURAL & MAN INFLUENCED.
LEVINGS CD : ESTUARINE ECOLOGY OF BENTHOS & FISH. PHYSICAL IMPACTS ON WETLANDS SUPPORTING FISHERIES RESOURCES. RIVER ECOLOGY & EFFECTS OF BANKSIDE & RIPARIAN HABITAT DISRUPTION. BENTHIC ECOLOGY & COMMUNITIES IN FIORDS. ESTUARINE & RIVERINE HABITAT RESTORATION.

BIBLIOGRAPHIES

BYSTRAM AM : PROVIDES BIBLIOGRAPHIES: ANSWERS TECHNICAL INQUIRIES; MAKES REFERRALS TO ENVIRONMENTAL EXPERTS IN CANADA AND ABROAD. DIRECTOR, NATIONAL FOCAL POINT FOR INFOTERRA, THE INFORMATION REFERRAL SYSTEM OF UNEP.
GODBOUT G : BIBLIOGRAPHIES; DOCUMENTATION; INFORMATION SCIENTIFIQUE; TELEREFERENCE; REFERENCE; RENSEIGNEMENT TECHNIQUE; BANQUE-BIBLIOGRAPHIQUE AUTOMATISEE; ENVIRONNEMENT EAU; RESSOURCE EAU; ENVIRONNEMENT-AQUATIQUE; EAU RESSOURCE; ECOLOGIE EAU; ECOLOGIE-AQUATIQUE; HYDROLOGIE; LIMNOLOGIE; ASSAINISSEMENT-EAU; TRAITEMENT-EAUX-USEES.
NICHOLSON HF : CONTINUING PROCESS OF BIBLIOGRAPHIES ON THE LIMNOLOGY AND FISHERIES OF CANADIAN FRESHWATERS.

BILAN

LECLERC M : LAC: CIRCULATION; PHYSIQUE; LAC STRATIFICATION TEMPERATURE; LAC TURBULENCE; LAC BUDGET; BILAN; EQUILIBRE; TURNOVER LAC; LIMNOLOGIE PHYSIQUE.;
TRUDEL MJ : LA FACULTE DES SCIENCES DE L' AGRICULTURE ET DE L' ALIMENTATION DE L' UNIVERSITE LAVAL REALISE UNE VINGTAINE DE PROJETS DE RECHERCHE RELIES A L' ENVIRONNEMENT NOTAMMENT SUR LES SUJETS SUIVANTS: TRAITEMENT ET MANUTENTION DES LISIERES ET FUMIERS, EPURATION-DES-EAUX-USEES, CONSERVATION DES SOLS, BILAN HYDRIQUE DES SOLS, PERSISTANCE DES PESTICIDES, ZONAGE BIOCLIMATIQUE.

BIO-PHYSIQUES

FEDERATION DES PRODUCTEURS : DOMAINE DE LA FORET PRIVEE DU QUEBEC. LA FPBQ A POUR TACHE D' ASSURER LA COORDINATION DE LA MISE EN MARCHE DES BOIS PRODUITS A PARTIR DE LA FORET PRIVEE D'UNE PART ET DE DEVELOPPER CETTE FORET PRIVEE PAR LA MISE EN PLACE DE PROGRAMMES D' AMENAGEMENT-FORESTIER. NOUS MAINTENONS A JOUR LES STATISTIQUES SUR LES BIO-PHYSIQUES ET SOCIO-ECONOMIQUES DE LA FORET PRIVEE QUEBECOISE.
VIGNEAULT Y : CONSEILLER SCIENTIFIQUE: EVALUATIONS ENVIRONNEMENTALES, POLLUANTS, TOXICOLOGIE. PROGRAMME DE RECHERCHE EN EVALUATION DES MILIEUX BIO-PHYSIQUES AU NIVEAU MARIN, ESTUARIEN, COTIER. ETUDES SYNTHESES SUR LE TRANSPORT-A-LONGUE-DISTANCE DES POLLUANTS ET LEURS EFFETS SUR LE MILIEU AQUATIQUE.

BIOACCUMULATION

ARNAC M : CONTAMINATION D' ORGANISMES MARINS PAR LES METAUX. BIOACCUMULATION DET DISTRIBUTION DANS LES TISSUS ET LES ORGANES. ASSOCIATION AVEC LES PROTEINES SOLUBLES.
CAREY JH : STUDIES ON THE PATHWAYS OF TRANSPORT, BIOACCUMULATION & DEGRADATION OF SYNTHETIC ORGANIC CONTAMINANTS IN AQUATIC-ECOSYSTEMS PLACING PARTICULAR & PROCESSES OF IMPORTANCE IN FLUVIAL SYSTEMS.
CORNETT RJJ : TRANSPORT OF TRACE-ELEMENTS THROUGH AQUATIC SYSTEMS. BIOACCUMULATION OF RADIONUCLIDES MODELLING OXYGEN CONCENTRATIONS IN LAKES. ROLE OF GROUNDWATER INPUTS IN DETERMINING STREAM WATER CHEMISTRY.
DEFREITAS ASW : ENVIRONMENTAL TOXICOLOGY AND DOSIMETRY: BIOACCUMULATION OF HAZARDOUS-CHEMICALS BY TERRESTRIAL, AQUATIC AND AVIAN SPECIES: TRANSFER PROCESSES IN THE ENVIRONMENT. USE OF INDICATOR SPECIES.
GAGNON JY : ECOLOGIE VEGETALE. TELEDETECTION. ETUDES D' IMPACT-ENVIRONNEMENTAL. REVEGETATION DE SITES POLLUES. BIOACCUMULATION DE METAUX-LOURDS.
HECKY RE : PALEOLIMNOLOGY AND LIMNOLOGY OF AFRICAN GREAT LAKES; RESERVOIR LIMNOLOGY; PHYTOPLANKTON AND DIATOM ECOLOGY; AQUATIC PRIMARY PRODUCTIVITY; CYCLING AND BIOACCUMULATION OF MERCURY.
LANZ HE : ANALYTICAL METHOD DEVELOPMENT. ENVIRONMENTAL ANALYSES. TECHNOLOGY-TRANSFER. OCEANIC POLLUTANTS (RESIN ACIDS, CHLORINATED ORGANIC BIOACCUMULATION).
LEDUC G : AQUATIC TOXICOLOGY. ACUTE AND LONG-TERM TOXICITY OF CYANIDE TO FISH. GROWTH, SWIMMING, OSMOREGULATION, ETC. EFFECTS OF MODIFYING FACTORS OF TOXICITY: TEMPERATURE, SIZE OF FISH, CURRENT OF WATER, ETC. MODE OF ACTION AND DETOXIFICATION OF CYANIDE. BIOACCUMULATION OF THIOCYANIDE. EFFECTS ON THYROID-GLAND AND RELATED FUNCTIONS.
OLIVER BG : PATHWAYS OF ORGANIC CONTAMINANTS IN AQUATIC ENVIRONMENT, BIOCONCENTRATION & BIOACCUMULATION OF ORGANICS BY FISH, BY-PRODUCTS OF DRINKING-WATER CHLORINATION.
OZBURN GW : MULTIPLE ORGANIC TOXICITY, BIOACCUMULATION, BIOCONCENTRATION EFFECT ON GROWTH, ETC. USING FLAGFISH AND BROOK-TROUT. CHLORINATED-BENZENES AND CHLORINATED-PHENOLS, ETHYLENES & ETHANES AS CONTAMINANTS.

BIOASSAYS

BANAS WP : AQUATIC TOXICOLOGY & CHEMICAL FATE INVESTIGATIONS. TOXICITY TESTING OF INDUSTRIAL EFFLUENTS (PULP & PAPER, MINING, STEEL MANUFACTURING). DEVELOPMENT OF A WATER-QUALITY AQUATIC ENVIRONMENT. TOXICITY OBJECTIVE REGARDING ALUMINUM IN THE EVALUATIONS OF PESTICIDES (ORGANOCHLORINE & ORGANOPHOSPHATE) & HEAVY-METALS USING RAINBOW-TROUT IN FLOW THROUGH & STATIC BIOASSAYS.
HOWARD TE : INDUSTRIAL-HYGIENE. ENVIRONMENTAL HEALTH STUDIES. AIR-POLLUTION STUDIES: IMPACT OF AIR EMISSIONS, ACID-RAIN, ODOUR CONTROL. MODELLING ATMOSPHERIC DISPERSION OF AIR-POLLUTANTS. WATER STUDIES. UPTAKE OF METALS BY AQUATIC ORGANISMS. BIOASSAYS. WASTEWATER-TREATMENT. REMOTE-SENSING. LANDFILL LEACHATE CONTROL.
STAVRIC B : MUTAGENS (TOXICANTS) IN FOODS: NATURALLY OCCURING OR INTRODUCED THROUGH MAN-MADE AGRICULTURAL CHEMICALS. BIO-ANALYTICAL PROCEDURES IN INTERPHASING STANDARD CHEMICO-ANALYTICAL METHODS WITH BIOASSAYS FOR DETECTING TOXIC (MUTAGENIC) COMPONENTS OF METABOLICS IN COMPLEX MATRICES (FOODS).

BIOASSIMILATION

TIMS AJS : ACID-PRECIPITATION MONITORING; PROVINCIAL NETWORK DATA. OZONE MONITORING USING BIOMONITORS. LICHEN & MOSS BIOASSIMILATION OF TRACE-METALS & POLLUTANTS. RESPONSE TO PUBLIC COMPLAINTS OF AIR-POLLUTION INJURY TO VEGETATION.

BIOCHEMICAL

BOYLE TJB : POPULATION & QUANTITATIVE GENETICS, BIOCHEMICAL GENETICS, ESPECIALLY APPLIED TO FOREST GENETICS & TREE IMPROVEMENT OPERATIONS OF BOREAL SPECIES.
CLAYTON JW : BIOCHEMICAL GENETICS, POPULATION GENETICS, SYSTEMATICS AND EVOLUTIONARY BIOLOGY OF FISHES AN ARCTIC MARINE MAMMALS.
FREEMAN HC : QUANTIFICATION OF POLLUTANTS AND CONTAMINANTS IN FISH AND SUBLETHAL EFFECTS (BIOCHEMICAL TESTS).
GOUDEY JS : PHYSIOLOGICAL & BIOCHEMICAL RESPONSES OF PLANTS TO ENVIRONMENTAL STRESSES (AGRICULTURAL & INDUSTRIAL WASTES).
HARA TJ : PHYSIOLOGICAL, BIOCHEMICAL, MORPHOLOGICAL & BEHAVIORAL STUDIES ON CHEMORECEPTION IN FISH; ITS ROLE IN MIGRATION & REPRODUCTION; ITS APPLICATION TO FISHING & AQUACULTURE; & ITS INTERACTIONS WITH TOXIC CHEMICALS & ACID-PRECIPITATION.
HAYA K : AQUATIC TOXICOLOGY: BIOCHEMICAL INDICATORS OF SUBLETHAL EFFECTS CAUSED BY POLLUTANTS IN AQUATIC ORGANISMS, PARTICULARLY PARAMETERS OF INTERMEDIARY ENERGY METABOLISM.
HODSON PV : FISH TOXICOLOGY: QUANTITATIVE STRUCTURE ACTIVITY, RELATIONSHIPS FOR ORGANIC-CHEMICALS. DEVELOPMENT OF DIAGNOSTIC TOOLS FOR FISH MONITORING BASED ON BIOCHEMICAL RESPONSES. DEVELOPMENT OF WATER-QUALITY OBJECTIVES.
KOSARIC N : BIOCHEMICAL AND FOOD ENGINEERING. WASTEWATER MANAGEMENT. NEW PROCESS AND PRODUCT DEVELOPMENT RELATED TO ENERGY, FOOD, SPECIALTY CHEMICALS AND ENVIRONMENT.

BIOCHEMICAL

MAHENDRAPPA MK : SOIL-CHEMISTRY AND MICROBIOLOGY AS RELATED TO ACID-RAIN AND NUTRIENT-CYCLING IN FOREST-ECOSYSTEMS. CHEMISTRY OF PRECIPITATION AND ITS INFLUENCE ON THE CHEMICAL AND BIOCHEMICAL PROCESSES ON TREES AND SOIL. IMPROVEMENT OF THE USE OF WATER AND FERTILIZERS IN TREE NURSERIES.

MELLORS A : BIOCHEMICAL TOXICOLOGY; PHYSICAL TOXICITY; MOLAR VOLUME CORRELATIONS; HYDROCARBON AND HALOGENATED HYDROCARBON TOXICITY; INHIBITION OF MEMBRANE-BOUND ENZYMES; LYMPHOCYTE TOXICOLOGY; TUMOUR PROMOTION AND CARCINOGENESIS; POLYCHLORINATED-BIPHENYLS; INHIBITION OF CELL ACTIVATION.

ROWSELL JA : CONSULTANT IN TERRESTRIAL-ECOLOGY: BIOCHEMICAL DYNAMICS; REMOTE-SENSING DATA-ANALYSIS; PHYTOTOXICOLOGY; INDUSTRIAL WASTE-MANAGEMENT; LAND APPLICATION OF WASTES; ENVIRONMENTAL-IMPACT-ASSESSMENT; ECOLOGICAL LAND-CLASSIFICATION; PEATLAND BIOLOGY; FLORA, FAUNA SURVEYS.

VANDERMEULEN JH : RESEARCH: PHYSIOLOGICAL & BIOCHEMICAL, POLLUTION STRESS IN AQUATIC ORGANISMS PRIMARILY FROM PETROLEUM HYDROCARBONS. PHYSICAL & CHEMICAL, FATE & DISPOSITION OF PETROLEUM HYDROCARBONS IN COASTAL SEDIMENTS. COASTAL ZONE POLLUTION & MANAGEMENT.

WHYTE JNC : BIOCHEMICAL INVESTIGATIONS ON ENVIRONMENTAL STRESS RELATED TO LIVE HOLDING & STORAGE CONDITIONS FOR SHELLFISH. STUDIES ON CHANGES OF METABOLIC & ENERGY RESERVES IN BIVALVES SUBJECTED TO NATURAL OR ARTIFICIAL FEED (FROM BATCH CULTURED MARINE PHYTOPLANKTON).

BIOCHEMISTRY

CRAIGIE JS : PHYSIOLOGY, BIOCHEMISTRY & AQUACULTURE OF ALGAE WITH SPECIAL INTEREST IN CELL WALLS & PHYCOCOLLODS OF MARINE SPECIES.

CZUBA M : ENVIRONMENTAL INTERACTIONS OF HEAVY-METALS & TRACE-ELEMENTS AS THEY AFFECT PHYSIOLOGY, BIOCHEMISTRY & CELL ASSOCIATIONS OF PLANTS. STUDIES OF TOXIC EFFECTS TO DETERMINE MECHANISMS OF ACTION, ASSESS PRODUCTS PRODUCED & POSSIBLE ABATEMENT MEASURES. EVALUATE MODERATING EFFECTS OF MICROORGANISMS ON METAL ACTION IN HOST ORGANISM.

HADZIYEV D : OILSEED TECHNOLOGY & CEREAL SCIENCE, FRUIT & VEGETABLE PROCESSING; USE OF YAM & OTHER STARCHES IN BREADMAKING; POTATO PROCESSING; CHEMISTRY & BIOCHEMISTRY ASPECTS (PRESERVATION) OF VITAMINS, FLAVORING CONSTITUENTS, TAILORING OF OIL UPTAKE, STICKINESS IN DEHYDRATED MASHED POTATOES). CEREALS EXTENSION.

MCKERCHER RB : STUDIES ON SOIL ORGANIC PHOSPHORUS & ON SOIL APPLIED HERBICIDES. TEACH COURSE IN SOIL BIOCHEMISTRY AT POST-GRADUATE LEVEL.

PITEL JA : PHYSIOLOGY & BIOCHEMISTRY OF SEED GERMINATION, SEED DORMANCY & SEED STORAGE PROBLEMS OF FOREST TREE SPECIES. STUDIES ON DNA: STRUCTURE & FUNCTION OF ORGANELLAR & NUCLEAR DNA. DNA CLONING, SEQUENCING ETC.

RETNAKARAN A : INSECT PHYSIOLOGY: GROWTH & DEVELOPMENT (INSECT HORMONES & INSECT GROWTH REGULATORS). DEVELOPMENT OF HORMONE ANALOGS, MOULT INHIBITORS & CHITIN SYNTHESIS INHIBITORS AS CONTROL AGENTS FOR FOREST-INSECT PESTS. STUDY OF CHITIN SYNTHESIS & BIOCHEMISTRY OF THE SYNTAETIC STEPS. ELECTRON MICROSCOPY, AUTORADIOGRAPHY & CELLULAR LOCALIZATION OF THE CHITIN SYNTHESIS PROCESS.

SHINDLER DB : SCIENTIFIC POLICY ADVICE ON BIOTECHNOLOGY & SAFETY REGULATIONS CONCERNING ENVIRONMENTAL & LARGE-SCALE APPLICATIONS. EXPERTISE IN MICROBIOLOGY, LIMNOLOGY, BIOLOGICAL MONITORING OF TOXIC SUBSTANCES, WATER-QUALITY, LAKE ALGAL-BLOOMS & EUTROPHICATION, AQUATIC ALGAE & MACROPHYTES, BACTERIAL PHYSIOLOGY & BIOCHEMISTRY, ENZYMOLOGY. COORDINATOR OF CANADA'S NATIONAL BIOTECHNOLOGY STRATEGY.

TYRRELL D : BIOCHEMISTRY AND PHYSIOLOGY OF SPORULATION, GROWTH AND GERMINATION OF ENTOMOGENOUS FUNGI, ESPECIALLY OF THE FAMILY ENTO-MOPHTHORALES.

BIOCHIMIE

BOLDUC RJ : PHYSIOLOGIE ET BIOCHIMIE DU FROID, DE LA SECHERESSE ET DE LA SALINITE CHEZ LES PLANTES CULTIVEES. PHYSIOLOGIE DE LA PRODUCTION DES PLANTES CULTIVEES SOUS CHACUN DE CES STRESS. CULTURES A L'ETUDE: HERBAGES, CEREALES, PLANTES ORNEMENTALES, CULTURES FRUITIERES, ESPECES LIGNEUSES.

BIOCIDES

WALLBANK AM : ANTISEPTICS, DISINFECTANTS, VIRUCIDES, BIOCIDES, SPORICIDES, Q-FEVER-COXIELLA BURNETII AS BIOHAZARDS, AND DECONTAMINATION OF ENDOSCOPES.

BIOCONTAINMENT

KENNEDY ME : BIOSAFETY: BIOCONTAINMENT TECHNOLOGY.

BIOCONTROL

CUNNINGHAM JC : PRACTICAL USE OF VIRUSES FOR CONTROL OF FOREST-INSECT PESTS; FORMULATION & APPLICATION OF VIRAL INSECTICIDES; PRODUCTION OF VIRUSES USING HOST INSECT LARVAE. REGISTRATION OF VIRAL INSECTICIDES & COMMERCIALIZATION OF BIOCONTROL PRODUCTS.

HARRIS P : BIOLOGICAL CONTROL OF WEEDS. SPECIFICALLY INVOLVED WITH THE CONTROL OF CARDUUS SPP. CENTAUREA SPP., EUPHORBIA SPP. AND SENECIO-JACOBAEA IN CANADA BUT HAVE A BROAD INTEREST IN THE APPLICATION OF BIOCONTROL OF WEEDS THROUGHOUT THE WORLD AS WELL AS IN THE THEORY AND REGULATION OF THE METHOD.

BIODEGRADABLE-DETERGENTS

LOMAS H : RESEARCH RELATED TO ENVIRONMENTAL PROBLEMS: DEVELOPMENT OF BIODEGRADABLE-DETERGENTS; SUBSTITUTION FOR PHOSPHATES IN DETERGENTS; RECYCLING OF WASTEWATER & FLOCCULATION OF PAPER FINES IN PAPER MILL EFFLUENTS.

BIOENERGETICS

BEAMISH FWH : ECOLOGY AND PHYSIOLOGY OF TELEOSTS AND CYCLOSTOMES. BIOENERGETICS AND NUTRITION OF SALMONIDS. SUBLETHAL EFFECTS OF XENOBIOTICS ON FISHES.

HOLDWAY DA : FISH-TOXICOLOGY: CHRONIC & ACUTE EFFECTS OF PESTICIDES (METHOXYCHLOR, PERMETHRIN), HERBICIDES (GLYPHOSATE), & METALS (VANADIUM) ON SURVIVAL, GROWTH & REPRODUCTION OF FLAGFISH & WHITE SUCKERS; EFFECTS ON BRAIN NEUROTRANSMITTERS & BIOENERGETICS. DEVELOPED TECHNIQUE FOR MEASURING DIMETHYL-SULFIDE AT PARTS PER TRILLION LEVELS IN FRESHWATER.

HURLEY DA : ECOLOGICAL STUDIES IN EUTROPHIC WATERS; ROLE OF PREDATOR PREY INTERACTIONS IN SHAPING ECOSYSTEMS; BIOENERGETICS OF WALLEYE, YELLOW-PERCH; TRENDS IN FISH SPECIES ASSOCIATIONS OVER TIME.

BIOENERGY

DOLENKO AJ : RESPONSIBILITIES RANGE FROM THE DEVELOPMENT OF FEDERAL BIOENERGY POLICY, TO THE CO-ORDINATION OF THE BIOENERGY RESEARCH AND DEVELOPMENT PROGRAM (BIOENERGY DEVELOPMENT PROGRAM), AND BIOENERGY INCENTIVE PROGRAMS FOREST INDUSTRY RENEWABLE-ENERGY PROGRAM) AND ALTERNATE ENERGY DEVELOPMENT PROGRAM (AEDP).

BIOESSAIS

COUTURE P : UTILISATION D'INDICATEURS BIOLOGIQUES, EN PARTICULIER LE PHYTOPLANCTON (ALGUES UNICELLULAIRES) POUR DETERMINER LA QUALITE DE L' EAU: ASPECT EUTROPHISATION, ASPECTS ECOLOGIQUE ET TOXICOLOGIQUE, RELATIONS STRUCTURE FONCTION, BIOESSAIS IN VITRO, BIOESSAIS IN SITU, COMMUNAUTE MICROBIENNE, PRODUCTION PRIMAIRE, CHARGE ENERGETIQUE ACCLIMATION.

GABOURY G : L' UTILISATION DE PESTICIDES EN MILIEU FORESTIER DE MEME QUE LES ACTIVITES DE PRELEVEMENT DES RESSOURCES. LES POLLUANTS-ATMOSPHERIQUES ET LEURS EFFETS SUR LA FORET. DEVELOPPEMENT DE MOYENS DE LUTTE CONTRE LA TORDEUSE-DES-BOURGEONS-DE-L'EPINETTE (BIOESSAIS).

BIOGAS

LANDINE RC : CONSULTING ENGINEERING FIRM WHICH HAS DEVELOPED EXPERTISE IN LOW RATE ANAEROBIC-WASTEWATER-TREATMENT OF INDUSTRIAL WASTEWATER, BIOGAS COLLECTION, BIOGAS HANDLING, BIOGAS UTILIZATION & FLOATING MEMBRANE COVER TECHNOLOGY.

BIOGEOCHEMICAL

ROBITAILLE G : EFFECTS OF PRIMARY & SECONDARY AIR-POLLUTANTS INCLUDING ACID-RAIN ON FORESTS, SOILS, LICHENS & MOSSES; NUTRIENT CYCLING IN FOREST-ECOSYSTEMS; BIOGEOCHEMICAL CYCLES; BIOMONITORING; TREE-RING ANALYSIS IN RELATION TO POLLUTION.

BIOGEOCHEMISTRY

CAMPBELL PG : TRACE-METAL BIOGEOCHEMISTRY. ACID-PRECIPITATION. SOURCE POLLUTION; EVOLUTION POLLUTION; POLLUTION TRANSPORT; GROUNDWATER CONTAMINATION BY PESTICIDES.

DUDAS MJ : BIOGEOCHEMISTRY OF TRACE-ELEMENTS, HEAVY-METALS, RADIOISOTOPES IN SOILS, PLANTS & TERRESTRIAL SYSTEMS; CLAY MINERALOGY; RESEARCH ON FLY-ASH LEACHATES, TOXIC INORGANICS IN THE ENVIRONMENT & CYCLING OF NOXIOUS HEAVY-METALS.

FITCHKO J : ENVIRONMENTAL BIOGEOCHEMISTRY, PARTICULARLY MOBILITY, PARTITIONING AND BIOCONCENTRATION OF HEAVY-METALS IN AQUATIC-ECOSYSTEMS. ENVIRONMENTAL-IMPACT-ASSESSMENT.

BIOGEOCHEMISTRY

LUM KR : BIOGEOCHEMISTRY OF TRACE-METALS AND METALLOIDS IN THE GREAT LAKES AND ESTUARIES. ASSESSMENT OF THE ENVIRONMENTAL-IMPACT OF METALS IN DREDGED MATERIAL, STEEL SLAGS AND OTHER SOLID MATERIALS. SPECIATION AND BIOAVAILABILITY OF TRACE-METALS AND METALLOIDS.
MORRISON IK : RESEARCH INTO EFFECTS OF ACID-RAIN ON FOREST BIOGEOCHEMISTRY, ESPECIALLY EFFECTS ON FOREST PRODUCTIVITY; RESEARCH INTO SOIL CHEMICAL CHANGES EFFECTED BY ACID-RAIN ARTIFICIALLY SUPPLIED; EFFECTS OF TOXIC HEAVY-METALS ON VEGETATION GROWTH.
THOMPSON JAJ : BIOGEOCHEMISTRY OF HEAVY-METALS RELATED TO INDUSTRIAL SOURCES: MINES, URBAN CENTRES. CHEMISTRY OF METAL BINDING PROTEINS. CHEMISTRY OF THERMAL VENT ORGANISMS.

BIOGEOGRAPHY

SOUTH GR : MARINE PHYCOLOGY. EXPERIMENTAL ECOLOGY, FLORISTICS, LABORATORY CULTURE, LIFE-HISTORIES OF BENTHIC MARINE MACROALGAE. MARINE BIOGEOGRAPHY OF THE NORTH ATLANTIC OCEAN.

BIOHAZARDS

WALLBANK AM : ANTISEPTICS, DISINFECTANTS, VIRUCIDES, BIOCIDES, SPORICIDES, Q-FEVER-COXIELLA BURNETII AS BIOHAZARDS, AND DECONTAMINATION OF ENDOSCOPES.

BIOINDICATEUR

COUILLARD D : ASSAINISSEMENT-EAU; EPURATION-EAU; TRAITEMENT-EAUX-USEES; EAUX-USEES; EFFLUENT; RUISSELLEMENT URBAIN; RUISSELLEMENT MUNICIPALITE; BIOINDICATEUR EAU; TOXICITE EAUX-USEES.

BIOMASS

ALEMDAG IS : FOREST-MENSURATION (GROWTH AND YIELD) AND FOREST-MANAGEMENT: SITE INDEXES. VOLUME AND YIELD-TABLES. GROWTH-ESTIMATES AND MANAGEMENT TECHNIQUES. METHODS OF ESTIMATING BIOMASS OF TREES AND STANDS.
ANDERSON HW : BIOMASS PRODUCTIVITY AND CLONAL PROPERTIES OF HYBRID POPLAR, WILLOW AND ALDER. GROWTH, QUALITY AND REGENERATION OF HIGH VALUE. HARDWOODS: SUGAR-MAPLE OR YELLOW BIRCH.
BARKER DJ : PRACTICAL APPLICATIONS OF ECOLOGICAL CLASSIFICATION. SILVICULTURE PLANNING AND IMPLEMENTATION, INCLUDING REFORESTATION, STAND-TENDING AND REHABILITATION. WOOD RELATED INVENTORIES: BIOMASS; SAWN AND PULP PRODUCTS; FUELWOOD. FOREST-MANAGEMENT PLANNING; TIMBER YIELD ANALYSIS BY COMPUTER.
ESPLIN GJ : DEVELOPMENT OF A NEW PROCESS FOR ACID-RAIN NEUTRALIZATION (LABORATORY KINETIC STUDIES). AIR-POLLUTION MONITORING & CONTROL TECHNOLOGIES. TOXIC-WASTE INCINERATION. BIOMASS GASIFICATION. NEW COMBUSTION TECHNOLOGY.
GANCZARCZYK JJ : APPLICATION OF ACTIVATED SLUDGE PROCESS FOR TREATMENT OF SEWAGE & INDUSTRIAL-EFFLUENTS, INHIBITION OF NITRIFICATION, PHYSICAL BEHAVIOUR OF BIOLOGICAL FLOCS, ROLE OF SOLID SURFACE IN SUSPENDED GROWTH TREATMENT, ESTIMATION OF BIOMASS PRODUCTION & HAZARDOUS WASTE-TREATMENT & DISPOSAL.
GORDON AG : BIOMASS, PRODUCTIVITY, AND NUTRIENT-CYCLING OF SPRUCE FOREST-ECOSYSTEMS; THE GENETICS AND GENECOLOGY AND TREE IMPROVEMENT OF THE SPRUCE GENUS.
HANSON AJ : FISHERIES COASTAL ZONE AND OCEAN MANAGEMENT. RESOURCE ECOLOGY AND DEVELOPMENT. FOREST BIOMASS FOR ENERGY. INTERNATIONAL DEVELOPMENT AND THE ENVIRONMENT WITH EXPERTISE IN SOUTHEAST ASIA AND CARIBBEAN.
HUGHES FP : USE OF BIOMASS, PARTICULARLY WOOD-FIRED DUAL-PURPOSE POWER STATIONS USING WASTE HEAT FOR DISTRICT HEATING. WIND AS A POWER SOURCE.
KALFF J : AQUATIC ECOLOGY, LIMNOLOGY, MACROPHYTES AND PHYTOPLANKTON, NUTRIENTS, PRODUCTION AND BIOMASS, WATERSHEDS, NUTRIENT AND TOXINS RELATIONSHIPS OF PRIMARY PRODUCTION TO SECONDARY AND FISH PRODUCTION. TROPICAL, TEMPERATE AND ARCTIC LAKES.
KIMMINS JP : ENVIRONMENTAL-IMPACT OF FOREST-MANAGEMENT. FOREST ECOSYSTEM FUNCTIONS, BIOMASS AND NUTRIENT-CYCLING, PRODUCTIVITY. COMPUTER-SIMULATION MODELLING OF LONG-TERM IMPACTS OF INTENSIVE FOREST-MANAGEMENT ON YIELD AND SITE FERTILITY - FORCYTE.
OVEREND RP : INVESTIGATION OF POTENTIAL AND APPLICATIONS OF BIOMASS LIQUEFACTION AND FRACTIONATION FOR CHEMICALS AND ENERGY. PEAT MINING AND DEWATERING WITH ENVIRONMENTAL-IMPACT AND PROCESS IMPACT.
RICHARDSON J : SCIENTIFIC ADVICE IN CANADIAN FORESTRY SERVICE RESEARCH IN THE FIELD OF FOREST PRODUCTIVITY, INCLUDING FOREST INVENTORY, GROWTH & YIELD, REMOTE-SENSING, THINNING, FERTILIZATION, MODELLING & IN FOREST BIOMASS PRODUCTION.
SILVERSIDES CR : TIMBER HARVESTING (ENVIRONMENTAL-IMPACT) SHORT-ROTATION-FORESTRY ENERGY PLANTATIONS. ENERGY FROM BIOMASS AND OTHER RENEWABLES.
WINTER P : BIOMASS ENERGY DATA-BASES. BIOMASS. FUTURE TRENDS OF BIOMASS ENERGY. IMPACT OF TECHNOLOGY-TRANSFER. SOCIAL PSYCHOLOGICAL IMPACTS OF RENEWABLE-ENERGY.

BIOMETEOROLOGY

ZAMMUTO RM : RELATIONSHIPS AMONG VARYING ENVIRONMENTAL CONDITIONS AND LIFE-HISTORIES OF BIRD AND MAMMAL POPULATIONS IN MONTANE OR BOREAL AREAS. TERRESTRIAL-ECOLOGY, ZOOLOGY, SURVIVAL, WILDLIFE, NON-GAME, REPRODUCTION, ORNITHOLOGY, WEATHER, BIOMETEOROLOGY, BIOMETRICS, BOREAL, CLIMATE, CONSERVATION, METEOROLOGY, MAMMAL POPULATION.

BIOMETRICS

ILLINGWORTH K : RESEARCH IN SILVICULTURE, BIOMETRICS & SYSTEMS, ECOLOGY & EARTH SCIENCES, INTEGRATED RESOURCE-MANAGEMENT, TREE PHYSIOLOGY & TREE IMPROVEMENT TO SOLVE PROBLEMS IN FOREST & RANGE MANAGEMENT.

ZAMMUTO RM : RELATIONSHIPS AMONG VARYING ENVIRONMENTAL CONDITIONS AND LIFE-HISTORIES OF BIRD AND MAMMAL POPULATIONS IN MONTANE OR BOREAL AREAS. TERRESTRIAL-ECOLOGY, ZOOLOGY, SURVIVAL, WILDLIFE, NON-GAME, REPRODUCTION, ORNITHOLOGY, WEATHER, BIOMETEOROLOGY, BIOMETRICS, BOREAL, CLIMATE, CONSERVATION, METEOROLOGY, MAMMAL POPULATION.

BIOMONITORING

ADDISON PA : RESEARCH IN ENVIRONMENTAL FORESTRY RELATED PRIMARILY TO THE EFFECTS OF ATMOSPHERIC-POLLUTION ON FOREST ECOSYSTEMS. THIS INCLUDES GROWTH & YIELD STUDIES, BIOMONITORING USING BOTH CRYPTOGAMS & HIGHER PLANTS & SOIL BIOLOGICAL & CHEMICAL RESPONSE MEASUREMENTS.

CASE JW : AIR-POLLUTION & ACID-PRECIPITATION BIOMONITORING: ENVIRONMENTAL-CONTAMINATION MONITORING PROGRAM DESIGN & IMPLEMENTATION; GEOBOTANICAL-PROSPECTING; MICRO COMPUTER APPLICATIONS FOR DATA COLLECTION, STATISTICAL-ANALYSIS, INFORMATION PRESENTATION & REDUCTION.

ROBITAILLE G : EFFECTS OF PRIMARY & SECONDARY AIR-POLLUTANTS INCLUDING ACID-RAIN ON FORESTS, SOILS, LICHENS & MOSSES; NUTRIENT CYCLING IN FOREST-ECOSYSTEMS; BIOGEOCHEMICAL CYCLES; BIOMONITORING; TREE-RING ANALYSIS IN RELATION TO POLLUTION.

RUNECKLES VC : EFFECTS OF AIR-POLLUTION ON PLANTS. (DIAGNOSIS, BIOMONITORING, DOSE-RESPONSE, MODE OF ACTION.)

BIOMONITORS

BECKETT PJ : MOSS, LICHEN & MACROFUNGI AS BIOMONITORS OF ECOSYSTEM METAL BURDENS; GEOBOTANICAL-PROSPECTING EFFECTS OF METALS ON TERRESTRIAL-ECOSYSTEMS. RESTORATION OF ACID, METAL STRESSED LAND.

TIMS AJS : ACID-PRECIPITATION MONITORING; PROVINCIAL NETWORK DATA. OZONE MONITORING USING BIOMONITORS. LICHEN & MOSS BIOASSIMILATION OF TRACE-METALS & POLLUTANTS. RESPONSE TO PUBLIC COMPLAINTS OF AIR-POLLUTION INJURY TO VEGETATION.

BIOPHYSICAL

CHAMBERS AD : SYNTHESIS OF SOCIAL, ECONOMIC & BIOPHYSICAL PROPERTIES OF NATURAL RESOURCE SYSTEMS. SOCIAL LIMITS TO INTEGRATED MANAGEMENT.

GRIFFIN DF : CANDIDATE NATURAL AREAS ARE SELECTED THROUGHOUT PEI FOR RESEARCH, CONSERVATION, RECREATION AND EDUCATIONAL PURPOSES. BIOPHYSICAL DATA IS GATHERED.

HAANA E : COMPUTER-MODELLING OF HAZARDOUS-WASTE, ACID-RAIN, WOOD ENERGY AND FISHERIES FOR POLICY AND DECISION ANALYSIS. DESIGN AND IMPLEMENTATION OF RESOURCE AND ENVIRONMENTAL MANAGEMENT PLANS AND REHABILITATION MEASURES. DEVELOPMENT OF ENVIRONMENTAL ANALYSIS METHODOLOGIES AND INFORMATION-SYSTEMS. BIOPHYSICAL INVENTORIES AND DATA-ANALYSIS FOR BACKGROUND TO PLANNING INITIATIVES.

LAWRENCE GR : RESOURCE EXPLORATION AND PRODUCTION SUPPORT, GROUNDWATER AND WASTE-SITE EVALUATION, WEATHER MODIFICATION AND METEOROLOGICAL SERVICES, REMOTE-SENSING AND BIOPHYSICAL STUDIES. PETROLEUM ENGINEERING, HYDROGEOLOGICAL, ATMOSPHERIC AND BIOPHYSICAL ASSESSMENTS.

LEE PG : ECOLOGICAL RESERVES AND NATURAL AREAS PROGRAMS OF ALBERTA. SUITABLE SITES ARE SELECTED THROUGHOUT THE PROVINCE FOR RESEARCH, PRESERVATION, EDUCATIONAL AND RECREATIONAL PURPOSES. BIOPHYSICAL DATA IS GATHERED.

LOUIE RH : BIOPHYSICAL SURVEYS (SOILS, SURFICIAL GEOLOGY, VEGETATION, WILDLIFE HABITAT, CLIMATE), LAND USE IN BRITISH-COLUMBIA & APPLICATIONS FOR AGRICULTURE, FORESTRY, WILDLIFE, WATER, FISH & OTHER LAND USE PLANNING, ASSESSMENT AND MONITORING. BASE MAP PRODUCTION (TOPOGRAPHIC, PLANIMETRIC AND CADASTRAL). REMOTE-SENSING.

THOMPSON JP : NATURAL-RESOURCE ECONOMICS (SPECIFICALLY THE SHADOW PRICING OF BIOPHYSICAL IMPACT INFORMATION FOR USE IN BENEFIT-COST-ANALYSIS), SOCIO-ECONOMIC IMPACT-ASSESSMENT, ECONOMIC FEASIBILITY STUDIES, RECREATION INVENTORY STUDIES.

BIOPHYSIQUE

NOBREGA G : DOCUMENTATION, RENSEIGNEMENT, TELEREFERENCE EN ENVIRONNEMENT. PRODUCTEUR DE LA BANQUE-BIBLIOGRAPHIQUE AUTOMATISEE ENVIRONMENTALE SUR L' INVENTAIRE BIOPHYSIQUE DU QUEBEC. RESPONSABLE CENTRE DE DOCUMENTATION.

BIOPOLYMER

LEE EGH : MUTAGENICITY OF ENVIRONMENTAL-CONTAMINANTS INVESTIGATED USING THE AMES-SALMONELLA-ASSAYS. FISH DISEASE DIAGNOSTIC SERVICES FOR BACTERIAL KIDNEY DISEASE & INFECTIOUS HEMATOPOIETIC-NECROSIS TEST. BIOPOLYMER PRODUCTION FROM METHANOL FERMENTATION.

BIOSAFETY

KENNEDY ME : BIOSAFETY: BIOCONTAINMENT TECHNOLOGY.

BIOSPHERE

BARNARD JW : DEVELOPMENT OF COMPUTER MODELS OF THE BIOSPHERE TO ASSIST IN ENVIRONMENTAL & SAFETY ASSESSMENT OF RADIOTOXIC & CHEMICALLY TOXIC-WASTE DISPOSAL. PATHWAYS ANALYSES. IMPACT STATEMENTS & ENVIRONMENTAL SCREENING DOCUMENTS FOR WASTE STORAGE & DISPOSAL, LICENSING OF NEW FACILITIES.

VALLENTYNE JR : BIOSPHERE; ENVIRONMENTAL EDUCATION (YOUTH); LIMNOLOGY; SCIENCE POLICY; SCIENCE & SOCIETY INTERACTION; GREAT-LAKES RESEARCH ADVISOR.

BIOSYNTHETIC

MARKS GS : STUDIES OF THE EFFECTS OF XENOBIOTICS SUCH AS POLYCHLORINATED-BIPHENYLS, HEXACHLOROBENZENE, ETC. ON THE HEPATIC HEME BIOSYNTHETIC PATHWAY. STUDIES ARE CARRIED OUT IN CHICK EMBRYO LIVER AND ARE DIRECTED TO THE MECHANISM BY WHICH XENOBIOTICS AFFECT THE HEME BIOSYNTHETIC PATHWAY.

BIOSYSTEMATICS

DUGLE JR : BIOSYSTEMATICS & PLANT ECOLOGY. EFFECTS OF GAMMA-RAYS ON PLANT SPECIES & ASSOCIATIONS WITH EMPHASIS ON TREES & SHRUBS.

KEVAN DK : BIOSYSTEMATICS AND ECOLOGY OF ORTHOPTEROID INSECTS (LOCUSTS. GRASSHOPPERS. CRICKETS. COCKROACHES. TERMITES AND NEUROPTEROID INSECTS (LACEWING-FLIES) SOIL FAUNA STUDIES (ECOLOGY OF MICROARTHROPODS) AND MYRIAPODS RELEVANCE OF ENTOMOLOGICAL FOLKLORE AND CUSTOMS TO SCIENTIFIC ENTOMOLOGY.

WIGGINS GB : RESEARCH CONCERNED WITH BIOSYSTEMATICS OF TRICHOPTERA (CADDISFLIES), AN ORDER OF AQUATIC INSECTS IMPORTANT IN THE TRANSFER OF ENERGY AND NUTRIENTS IN ALL TYPES OF FRESHWATER HABITATS.

BIOTA

CLEMENT RE : IMPROVED ANALYTICAL METHODS FOR THE QUALITATIVE & QUANTITATIVE ANALYSIS OF AIR, WATER, SOIL, BIOTA & INDUSTRIAL EFFLUENTS USING GAS-CHROMATOGRAPHY MASS-SPECTROMETRY. SPECIAL EMPHASIS ON ULTRA-TRACE ANALYSIS OF CHLORINATED DIBENZO-P-DIOXINS & CHLORINATED DIBENZOFURANS.

MCKEE PM : RESEARCH ON FRESHWATER ENVIRONMENTS; CYCLING OF NATURAL ELEMENTS & CONTAMINANTS; EFFECTS OF IONIZING RADIATION ON HUMANS AND OTHER BIOTA; FISHERIES BIOLOGY; BENTHIC ECOLOGY.

NIEMELA UE : WATER-QUALITY MONITORING & ANALYSIS, ANALYSIS OF WATER, SEDIMENTS & BIOTA. WATER-QUALITY ASSESSMENT & INTERPRETATION. WATER-QUALITY OBJECTIVES & GUIDELINES DEVELOPMENT. WATER-POLLUTION CONTROL. TOXIC-CHEMICALS MANAGEMENT.

POLLOCK TL : OPERATION OF A MONITORING AND SURVEY SERVICE ON THE AQUATIC ENVIRONMENT IN ATLANTIC CANADA. THIS INCLUDES EFFECTS OF LRTAP AND TOXIC-CHEMICALS, AS DEFINED BY ENVIRONMENT CANADA, ON SURFACE-WATERS, LAKE AND RIVER SEDIMENTS AND BIOTA.

SCHEIDER WA : EFFECTS OF CONTAMINANTS ON BIOTA OF ONTARIO LAKES. CONTAMINANT FATE, PATHWAYS & EFFECTS ON AQUATIC SYSTEMS.

SCHREIER H : SOIL & SEDIMENT CHEMISTRY. TRACE-METAL CONTAMINATION. ASBESTOS IN THE ENVIRONMENT (SOIL, ROCKS, SEDIMENT, WATER, BIOTA). SOIL FERTILITY. REMOTE-SENSING.

SLIWINSKI JF : FIRM SPECIALIZES IN PROVIDING ANALYTICAL SERVICES IN ENVIRONMENTAL CHEMISTRY OF GROUND, SURFACE & WASTEWATER, SOILS, SEDIMENTS, BIOTA & AIR SAMPLES AIR SAMPLES. CONDUCTS RESEARCH INTO IMPROVING MEASURING EQUIPMENT, METHODS, PROTOCOLS AND DATA-MANAGEMENT.

SLY PG : GEOLOGY OF LARGE LAKE SYSTEMS, SEDIMENT WATER INTERACTIONS INCLUDING TOXIC & NUTRIENT CONTAMINANTS, DREDGING & MATERIAL DISPOSAL, SEDIMENT EROSION, DEPOSITION & TRANSPORT. AQUATIC HABITATS & SEDIMENT BIOTA (INVERTEBRATE & FISH) INTERACTIONS.

BIOTA

VILLARD S : LONG-RANGE-TRANSPORT-OF-AIR-POLLUTION. METHODOLOGIES FOR ANALYSIS OF PRECIPITATION & AIR. METHOD DEVELOPMENT FOR ANALYSIS OF WATER, AIR, SOILS, BIOTA.
WHITTLE DM : TRENDS IN CONTAMINANTS (PESTICIDES, INDUSTRIAL CHEMICALS AND TRACE-METALS) IN AQUATIC BIOTA FROM THE LAURENTIAN GREAT LAKES. DETERMINE THE IMPACT OF CONTAMINANT BURDENS ON THE AQUATIC-ECOSYSTEM.
WONG PTS : ALGAL PHYSIOLOGY & TOXICOLOGY; TRANSFORMATION OF HEAVY METALS IN AQUATIC ENVIRONMENT; EFFECTS OF CHEMICALS IN AQUATIC BIOTA (FISH & PHYTOPLANKTON).
WONG SL : ASSESS THE IMPACT OF TOXIC SUBSTANCES ON BIOTA IN BOTH SURFACE-WATERS & INDUSTRIAL WASTEWATERS USING ASSAY TECHNIQUES WITH ALGAE & ZOOPLANKTON AS TEST ORGANISMS.

BIOTECHNOLOGIES

PANISSET JC : TOXICOLOGIE INDUSTRIELLE ET AGRICOLE, TOXICITE DE PESTICIDES, MEDICAMENTS VETERINAIRES ANTIBIOTIQUE ET TRANSFERT DE L'ANTIBIO RESISTANCE DE L' ANIMAL A L'HOMME. BIOSECURITE ET BIOTECHNOLOGIES NOUVELLES.
VAN COILLIE R : CHEMINEMENT ET TOXICITE SOUS-LETALE DES METAUX-LOURDS ET DES PESTICIDES DANS L' ENVIRONNEMENT-AQUATIQUE ET TERRESTRE REPERCUSSIONS DES PLUIES-ACIDES SUR LA FAUNE AQUATIQUE ECOTOXICOLOGIE DES DEPOTOIRS, BIOTECHNOLOGIES ENVIRONNEMENTALES.

BIPHENYLES-CHLORES

CARBONNEAU JM : ELABORATION DE MOYENS DE CONTROLE (E.G. CODE DE RECOMMENDATIONS TECHNIQUES, LIGNES DIRECTRICES, REGLEMENTS) SUR LES SUBSTANCES CONTROLEES PAR LA LOI SUR LES CONTAMINANTS DE L' ENVIRONNEMENT, DONT LES BIPHENYLES-CHLORES (BPC) ET LES CHLOROFLUOROALCANES (CFC).

BIRD

BLOKPOEL H : BIOLOGICAL ASPECTS OF THE BIRD AIRCRAFT COLLISION PROBLEM. BIRD DETECTION ALOFT USING RADAR.
MCNICHOLL MK : ORNITHOLOGY. ECOLOGICAL & BEHAVIOURAL ASPECTS OF BIRD BIOLOGY. BREEDING BIOLOGY & ECOLOGY OF FORSTER'S-TERNS & OTHER MARSH NESTING SPECIES. SOCIAL ORGANIZATION AND BEHAVIOUR OF BLUE-GROUSE. NESTING STUDIES OF COMMON NIGHTHAWKS.
ZAMMUTO RM : RELATIONSHIPS AMONG VARYING ENVIRONMENTAL CONDITIONS AND LIFE-HISTORIES OF BIRD AND MAMMAL POPULATIONS IN MONTANE OR BOREAL AREAS. TERRESTRIAL-ECOLOGY, ZOOLOGY, SURVIVAL, WILDLIFE, NON-GAME, REPRODUCTION, ORNITHOLOGY, WEATHER, BIOMETEOROLOGY, BIOMETRICS, BOREAL, CLIMATE, CONSERVATION, METEOROLOGY, MAMMAL POPULATION.

BIRDS

BIRD DM : RESEARCH ON THE BIOLOGY OF BIRDS OF PREY (FALCONS, EAGLES, HAWKS, OWLS). RESPONSIBLE FOR MANAGEMENT OF A COLONY OF CAPTIVE FALCONS WITH WHICH RESEARCH ON TOXICOLOGY, AUTRITIEN BEHAVIOUR, ECOLOGY, PHYSIOLOGY ETC. IS CONDUCTED. ALSO FIELD STUDIES.
BOYD H : STATUS, BIOLOGY, POPULATION-DYNAMICS AND MANAGEMENT OF HOLARCTIC BIRDS, ESPECIALLY WATERFOWL, SHOREBIRDS AND SEABIRDS. DUCK HUNTING AND DUCK NUMBERS.
ZACH R : EFFECTS OF RADIATION ON THE ENVIRONMENT. MOVEMENT OF RADIONUCLIDES IN THE ENVIRONMENT. NUCLEAR FUEL, WASTE-MANAGEMENT, ENVIRONMENTAL-ASSESSMENT. EFFECTS OF RADIATION ON BIRDS. ECOLOGY.

BIRTH-DEFECTS

WIGLE DT : EPIDEMIOLOGY OF CANCER, BIRTH-DEFECTS & OTHER CHRONIC DISEASES.

BISMUTH

BOYLE RW : GEOCHEMISTRY: OF PRECIOUS METALS (AU, AG, PT); OF ARSENIC, ANTIMONY AND BISMUTH AND OF NICKEL AND COBALT IN ROCKS, SOIL AND NATURAL-WATERS.

BISON

HOEFS ME : POPULATION-DYNAMICS & RANGE USE OF BOVIDS, SPECIFICALLY WILD SHEEP & BISON. HORN GROWTH CHARACTERISTICS OF WILD SHEEP & MOUNTAIN GOATS & THEIR RELEVANCE TO MANAGEMENT.

BIVALVES

BOURNE N : BIOLOGICAL RESEARCH IN ESTUARINE ECOLOGY WITH EMPHASIS ON BIVALVE-MOLLUSCS. ASSESSMENT OF POPULATION-DYNAMICS OF BIVALVES FOR OPTIMUM MANAGEMENT OF RESOURCE. PRESENT RESEARCH MAINLY IN AQUACULTURE WITH EMPHASIS ON CULTURE OF OYSTERS, CLAMS AND SCALLOPS.
WHYTE JNC : BIOCHEMICAL INVESTIGATIONS ON ENVIRONMENTAL STRESS RELATED TO LIVE HOLDING & STORAGE CONDITIONS FOR SHELLFISH. STUDIES ON CHANGES OF METABOLIC & ENERGY RESERVES IN BIVALVES SUBJECTED TO NATURAL OR ARTIFICIAL FEED (FROM BATCH CULTURED MARINE PHYTOPLANKTON).

BLACK-FLIES

SHIPP JL : ECOLOGY & PEST-MANAGEMENT OF BLACK-FLIES THAT ATTACK LIVESTOCK. STUDIES ON BIOLOGY & COLONIZATION OF BLACK-FLIES & ON DEVELOPMENT OF IPM PROGRAMS FOR BLACK-FLY CONTROL.

BLUE-GROUSE

MCNICHOLL MK : ORNITHOLOGY. ECOLOGICAL & BEHAVIOURAL ASPECTS OF BIRD BIOLOGY. BREEDING BIOLOGY & ECOLOGY OF FORSTER'S-TERNS & OTHER MARSH NESTING SPECIES. SOCIAL ORGANIZATION AND BEHAVIOUR OF BLUE-GROUSE. NESTING STUDIES OF COMMON NIGHTHAWKS.

BLUEBERRIES

STUSHNOFF C : COLD STRESS, PLANT BREEDING, FRUIT CROPS. GENE RESOURCES & CRYOPRESERVATION; STRAWBERRIES, APPLES, BLUEBERRIES, GENERAL HORTICULTURE INCLUDING VEGETABLES, POTATOES.

BOIS

FEDERATION DES PRODUCTEURS : DOMAINE DE LA FORET PRIVEE DU QUEBEC. LA FPBQ A POUR TACHE D' ASSURER LA COORDINATION DE LA MISE EN MARCHE DES BOIS PRODUITS A PARTIR DE LA FORET PRIVEE D'UNE PART ET DE DEVELOPPER CETTE FORET PRIVEE PAR LA MISE EN PLACE DE PROGRAMMES D' AMENAGEMENT-FORESTIER. NOUS MAINTENONS A JOUR LES STATISTIQUES SUR LES BIO-PHYSIQUES ET SOCIO-ECONOMIQUES DE LA FORET PRIVEE QUEBECOISE.

BOMB

PLATFORD RF : LOW LEVEL RADIOACTIVITY MEASUREMENTS OF URANIUM DAUGHTER PRODUCTS & FALLOUT FROM BOMB TESTS.

BOREAL

BOYLE TJB : POPULATION & QUANTITATIVE GENETICS, BIOCHEMICAL GENETICS, ESPECIALLY APPLIED TO FOREST GENETICS & TREE IMPROVEMENT OPERATIONS OF BOREAL SPECIES.
HUTCHINSON TC : ACID-RAIN STUDIES OF TERRESTRIAL-ECOSYSTEMS, HEAVY-METAL TOXICITY TO PLANTS AND ALGAE, ECOTOXICOLOGY OF NICKEL, COPPER, LEAD. EFFECTS OF SMELTERS. OIL-SPILL AND HYDROCARBON TOXICITY RESEARCH. ARCTIC AND BOREAL AREAS.
KERSHAW GP : RECLAMATION & MITIGATION OF ARCTIC, SUBARCTIC & ALPINE DISTURBANCES DEVELOPMENT OF RESOURCES. ASPEN PARKLAND, BOREAL, SUBARCTIC, ALPINE & ARCTIC ECOSYSTEMS STRUCTURE & FUNCTION.
SIMS RA : VEGETATION AND SITE-CLASSIFICATION OF BOREAL-FORESTS. SUBARCTIC WETLAND AND ARCTIC TUNDRA AREAS. FOREST-ECOSYSTEM CLASSIFICATION OF BOREAL NORTHERN ONTARIO. REMOTE-SENSING FOR VEGETATION STUDY; MAPPING AND INVENTORY (USING SATELLITE AND AERIAL-PHOTO DATA).
YEATMAN CW : PROJECT LEADER OF TREE GENETICS AND BREEDING RESEARCH IN BOREAL CONIFERS. RESEARCH IN GENECOLOGY AND GENETIC IMPROVEMENT OF PINUS-BANKSIANA. ACTIVIST IN PROMOTING CONSERVATION OF FOREST GENETIC RESOURCES WORLD-WIDE.
ZAMMUTO RM : RELATIONSHIPS AMONG VARYING ENVIRONMENTAL CONDITIONS AND LIFE-HISTORIES OF BIRD AND MAMMAL POPULATIONS IN MONTANE OR BOREAL AREAS. TERRESTRIAL-ECOLOGY, ZOOLOGY, SURVIVAL, WILDLIFE, NON-GAME, REPRODUCTION, ORNITHOLOGY, WEATHER, BIOMETEOROLOGY, BIOMETRICS, BOREAL, CLIMATE, CONSERVATION, METEOROLOGY, MAMMAL POPULATION.
ZOLTAI SC : RESEARCH IN DYNAMICS OF WETLANDS IN ARCTIC, SUBARCTIC AND BOREAL REGIONS. RESEARCH IN ENVIRONMENTAL-IMPACT-ASSESSMENT AND IN PLANT SOIL RELATIONSHIPS IN THE ABOVE REGIONS OF CANADA.

BOREAL-FOREST

BUNTING BT : MICROMORPHOLOGY OF SOILS, ESPECIALLY: BOREAL-FOREST HUMUS PROFILE; ARCTIC SOILS; SOLUTE-TRANSFER IN CLAY SOILS AND SOIL ACIDIFICATION.
JONES HG : CHEMISTRY OF SNOW FALL & SNOW-COVER. SNOWMELT IN NORTHERN ECOSYSTEMS. DRY DEPOSITION & TRANSFORMATION OF N-SPECIES TO SNOW-COVER IN BOREAL-FOREST WATERSHEDS.

BOREAL-FOREST

PHILLIPS SF : VEGETATION & SOIL STUDIES TO DETERMINE DEGREE & EXTENT OF ENVIRONMENTAL-CONTAMINATION & EFFECTS ON TERRESTRIAL-ECOSYSTEMS. DIRECT & INDIRECT EFFECTS OF HEAVY-METALS & SULPHUR-DIOXIDE FROM NON-FERROUS METAL SMELTERS ON BOREAL-FOREST ECOSYSTEMS; MONITOR LRTAPS, WOOD PRESERVATIVE CHEMICALS.
RENNIE PJ : PRODUCTIVITY OF TERRESTRIAL-ECOSYSTEMS, ESPECIALLY NORTHERN BOREAL-FOREST ENVIRONMENTS IN RELATION TO SOIL NUTRITIONAL-STATUS, CLIMATIC CHARACTERISTICS AND PERTURBATION-EFFECTS. PARTICULAR INTERESTS INCLUDE MINERAL CYCLING, FOREST FERTILIZATION AND AIRBORNE POLLUTANT EFFECTS ON SOILS AND VEGETATION.
SUFFLING RC : BOREAL-FOREST ECOLOGY, QUANTITATIVE ANALYSIS OF LANDSCAPES, FIRE HISTORY; ENVIRONMENTAL-IMPACT-ASSESSMENT OF RESOURCE DEVELOPMENTS; UTILITY CORRIDOR VEGETATION MANAGEMENT.
SUTTON RF : PLANTATION ESTABLISHMENT IN FORESTRY (REGENERATION SILVICULTURE) IN THE BOREAL-FOREST: ALSO SCIENTIFIC & TECHNICAL EDITING.
WOTTON DL : LEAD: DEPOSITION & ACCUMULATION IN URBAN SOILS, SMELTER EMISSIONS, EXHAUST, PAINT RESIDUES. FOREST: EFFECTS FROM MINING SMELTERS ON VEGETATION & SOIL, NORTHERN BOREAL-FOREST ECOSYSTEMS, CONIFEROUS REGENERATION IMPACTS FROM HEAVY-METAL CONTAMINATED SOILS. SOIL & GEOLOGY SENSITIVITY MAPPING FOR ACID-RAIN. HERBICIDES.

BOREAL-FORESTS

JEGLUM JK : WETLAND AND PEATLAND CLASSIFICATION AND ECOLOGY; BLACK-SPRUCE REGENERATION; SILVICULTURE; VEGETATION AND FLORISTICS OF BOREAL-FORESTS; SUCCESSION AND DYNAMICS OF BOREAL-FORESTS.
SIMS RA : VEGETATION AND SITE-CLASSIFICATION OF BOREAL-FORESTS. SUBARCTIC WETLAND AND ARCTIC TUNDRA AREAS. FOREST-ECOSYSTEM CLASSIFICATION OF BOREAL NORTHERN ONTARIO. REMOTE-SENSING FOR VEGETATION STUDY; MAPPING AND INVENTORY (USING SATELLITE AND AERIAL-PHOTO DATA).

BOTANY

DORE WG : TAXONOMY AND MORPHOLOGY OF GRAMINEAE. PHYTOGEOGRAPHY IN EASTERN NORTH-AMERICA. ABORIGINAL USES OF PLANTS. HISTORICAL CANADIAN BOTANY. FRESHWATER AQUATICS.
RIDING RT : CHAIRMAN, UNIVERSITY OF NEW-BRUNSWICK, DEPT. OF BIOLOGY: ZOOLOGY, MICROBIOLOGY, BOTANY.

BOVIDS

HOEFS ME : POPULATION-DYNAMICS & RANGE USE OF BOVIDS, SPECIFICALLY WILD SHEEP & BISON. HORN GROWTH CHARACTERISTICS OF WILD SHEEP & MOUNTAIN GOATS & THEIR RELEVANCE TO MANAGEMENT.

BOVINE-FAT

KURYS JG : TOXICOLOGICAL EVALUATION OF VOLATILE CHEMICALS IN AMBIENT AIR FOR EFFECTS USING HUMAN FAT & MILK; BOVINE-FAT & MILK; PORCINE-FAT & AVIAN SPECIES FOR RESIDUE ANALYSIS; RAW MILK; RAW & TREATED WATER; SOIL & VEGETABLES. SECOND PART OF RESEARCH CARRIED OUT ON METABOLIC PROCESSES AND THEIR MODE OF ACTION.

BPC

CARBONNEAU JM : ELABORATION DE MOYENS DE CONTROLE (E.G. CODE DE RECOMMENDATIONS TECHNIQUES, LIGNES DIRECTRICES, REGLEMENTS) SUR LES SUBSTANCES CONTROLEES PAR LA LOI SUR LES CONTAMINANTS DE L' ENVIRONNEMENT, DONT LES BIPHENYLES-CHLORES (BPC) ET LES CHLOROFLUOROALCANES (CFC).
PELLETIER E : ECOTOXICOLOGIE MARINE; ETUDE DES INTERACTIONS DES POLLUANTS (METAUX, BPC ET HYDROCARBURES) AVEC LES ORGANISMES MARINS DANS L' ECOSYSTEME COTIER ET LES ESTUAIRES.

BRADYRHIZOBIUM

JORDAN DC : BIOLOGICAL NITROGEN FIXATION REGARDING RHIZOBIA LEGUMINOUS PLANT ASSOCIATION. SYSTEMATICS OF RHIZOBIUM AND BRADYRHIZOBIUM. CARBON-DIOXIDE FIXATION BY RHIZOBIA. POWDER TYPE LEGUME INOCULANTS.

BREEDING

DESCHENES JM : DEVELOPMENT OF CROP PLANTS VIA CONVENTIONAL & BIOTECHNOLOGICAL BREEDING TECHNIQUES. PLANT SUPPORT PROGRAMS IN STRESS PHYSIOLOGY PROTECTION, NITROGEN FIXATION & MYCOTOXINS.

BREEDING

MCKENZIE RIH : WHEAT BREEDING. GENETICS. THE DEVELOPMENT OF BETTER AND MORE DISEASE RESISTANT WHEAT FOR THE EASTERN CANADIAN PRAIRIES.

MCNICHOLL MK : ORNITHOLOGY. ECOLOGICAL & BEHAVIOURAL ASPECTS OF BIRD BIOLOGY. BREEDING BIOLOGY & ECOLOGY OF FORSTER'S-TERNS & OTHER MARSH NESTING SPECIES. SOCIAL ORGANIZATION AND BEHAVIOUR OF BLUE-GROUSE. NESTING STUDIES OF COMMON NIGHTHAWKS.

MURRAY G : FOREST GENETICS RESEARCH WITH EMPHASIS ON GENECOLOGY AND BREEDING OF WHITE SPRUCE (PICEA-GLAUCA) AND LARCH (LARIX).

NETTLESHIP DN : HEAD LONG-TERM RESEARCH PROGRAM ON REPRODUCTIVE AND PELAGIC-ECOLOGY OF SEABIRD POPULATIONS IN NORTH-WEST ATLANTIC, PARTICULARLY ATLANTIC CANADA AND EASTERN CANADIAN ARCTIC. PUBLICATIONS INCLUDE: "ATLAS OF EASTERN CANADIAN SEABIRDS", "ECOLOGICAL SITES IN NORTHERN CANADA", "CONSERVATION OF MARINE BIRDS OF NORTHERN NORTH-AMERICA", AND "THE THICK-BILLED MURRES OF PRINCE-LEOPOLD ISLAND; BREEDING ECOLOGY OF A COLONIAL HIGH ARCTIC SEABIRD."

STUSHNOFF C : COLD STRESS, PLANT BREEDING, FRUIT CROPS. GENE RESOURCES & CRYOPRESERVATION; STRAWBERRIES, APPLES, BLUEBERRIES, GENERAL HORTICULTURE INCLUDING VEGETABLES, POTATOES.

YEATMAN CW : PROJECT LEADER OF TREE GENETICS AND BREEDING RESEARCH IN BOREAL CONIFERS. RESEARCH IN GENECOLOGY AND GENETIC IMPROVEMENT OF PINUS-BANKSIANA. ACTIVIST IN PROMOTING CONSERVATION OF FOREST GENETIC RESOURCES WORLD-WIDE.

BRICK

WEAVER ME : RESEARCH AND INVESTIGATION OF EFFECTS OF ATMOSPHERIC-POLLUTION ON CULTURAL HERITAGE RESOURCES AND THE BUILT ENVIRONMENT. MASONRY, STONE, BRICK, TERRACOTTA, BRONZES. STATUARY AND ARCHAEOLOGICAL SITES AND THEIR PROTECTION.

BRITISH-COLUMBIA

BRODO IM : TAXONOMY OF LICHENS, ESPECIALLY THE GENUS LECANORA AND STUDIES ON THE LICHENFLORA OF CANADA, ESPECIALLY BRITISH-COLUMBIA, ONTARIO & QUEBEC. SYSTEMATIC STUDIES OF VASCULAR PLANTS, BRYOPHYTES, LICHENS & ALGAE (SPECIES OCCURRING IN CANADA & ELSEWHERE IN NORTHERN HEMISPHERE); FLORISTIC STUDIES OF THESE & RARE & ENDANGERED-PLANTS IN CANADA.

ERRINGTON JC : ADMINISTER MINE RECLAMATION ACTIVITY IN BRITISH-COLUMBIA. SOME RESEARCH CONDUCTED ON PLANT SPECIES SUITABILITY ON MINE WASTE MATERIAL. RESEARCH COMMISSIONED ON COSTS & BENEFITS OF WASTE DUMP RESLOPING & OF USING VALLEY ROCK DRAINS.

FEDERATION OF B C NATURALISTS : PROVIDE NATURALISTS AND NATURAL HISTORY CLUBS OF BRITISH-COLUMBIA WITH A UNIFIED VOICE ON CONSERVATION AND ENVIRONMENTAL ISSUES. FOSTER AN AWARENESS, APPRECIATION AND UNDERSTANDING OF OUR NATURAL ENVIRONMENT THAT IT MAY BE WISELY USED AND MAINTAINED FOR FUTURE GENERATIONS, AND ENCOURAGE THE FORMATION AND COOPERATION OF NATURAL HISTORY CLUBS THROUGHOUT BRITISH-COLUMBIA.

GAGNON D : VEGETATION ENVIRONMENT RELATIONSHIPS WITH APPLICATIONS TO FOREST-MANAGEMENT (REPLANTING), IN SOUTHWESTERN QUEBEC AND VANCOUVER-ISLAND, BRITISH-COLUMBIA. ECOLOGY AND DEMOGRAPHY OF PERENNIAL FOREST HERBS.

KRUEGER RR : URBANIZATION OF FRUITLANDS (OKANAGAN-VALLEY, BRITISH-COLUMBIA & NIAGARA-FRUIT-BELT). RESPONSE OF QUEBEC ORCHARD-INDUSTRY TO LOW TEMPERATURE HAZARD.

LOUIE RH : BIOPHYSICAL SURVEYS (SOILS, SURFICIAL GEOLOGY, VEGETATION, WILDLIFE HABITAT, CLIMATE), LAND USE IN BRITISH-COLUMBIA & APPLICATIONS FOR AGRICULTURE, FORESTRY, WILDLIFE, WATER, FISH & OTHER LAND USE PLANNING, ASSESSMENT AND MONITORING. BASE MAP PRODUCTION (TOPOGRAPHIC, PLANIMETRIC AND CADASTRAL). REMOTE-SENSING.

PEARSE PH : SPECIALIST IN THE ECONOMICS OF NATURAL-RESOURCES. WRITING RELATED TO GOVERNMENT POLICY ON MANAGEMENT OF RENEWABLE-RESOURCES (IN PARTICULAR, FORESTS, FISHERIES, & WATER-RESOURCES). CONSULTANT ON NATURAL-RESOURCES POLICY TO FOREIGN & CANADIAN GOVERNMENT. PROFESSOR OF FORESTRY; PROJECT LEADER: FOREST ECONOMICS & POLICY ANALYSIS PROJECT. FORMERLY: COMMISSIONER OF TWO MAJOR ROYAL COMMISSIONS OF INQUIRY ON RESOURCE POLICY (BRITISH-COLUMBIA FOREST RESOURCES & PACIFIC FISHERIES); CHAIRMAN OF PUBLIC INQUIRY ON FEDERAL WATER POLICY.

SANDILANDS RW : FIELD SURVEYS: OPERATIONS IN BRITISH-COLUMBIA COAST, WESTERN ARCTIC. MARITIME HISTORY: BRITISH-COLUMBIA, WESTERN ARCTIC & GREAT-LAKES. TOPONOMY IN COASTAL BRITISH-COLUMBIA. NATURAL-RESOURCE CHARTING; SURVEY POSITIONING; OFFSHORE MINERAL RESOURCE DEVELOPMENT.

STOCKNER JG : RESEARCH ON TROPHO-DYNAMICS OF LAKES AND COASTAL MARINE WATERS OF BRITISH-COLUMBIA, SPECIALIZING IN AUTOTROPHIC PRODUCTION AND NUTRIENT DYNAMICS.

BRONZES

WEAVER ME : RESEARCH AND INVESTIGATION OF EFFECTS OF ATMOSPHERIC-POLLUTION ON CULTURAL HERITAGE RESOURCES AND THE BUILT ENVIRONMENT. MASONRY, STONE, BRICK, TERRACOTTA, BRONZES. STATUARY AND ARCHAEOLOGICAL SITES AND THEIR PROTECTION.

BROOK-TROUT

OZBURN GW : MULTIPLE ORGANIC TOXICITY, BIOACCUMULATION, BIOCONCENTRATION EFFECT ON GROWTH, ETC. USING FLAGFISH AND BROOK-TROUT. CHLORINATED-BENZENES AND CHLORINATED-PHENOLS, ETHYLENES & ETHANES AS CONTAMINANTS.

BRUIT-COMMUNAUTAIRE

PAULIN G : INVENTAIRE DE DOXINES & FURANNES, EFFETS SUR LA SANTE, INVENTAIRE SUR LES COMPOSES-ORGANIQUES-VOLATILS; ETUDES SUR LES HYDROCARBURES-POLYNUCLEAIRES-AROMATIQUES, ETUDES SUR LE BRUIT-COMMUNAUTAIRE, EVOLUTION DE LA QUALITE DE L' AIR AU QUEBEC, EFFET DU CHAUFFAGE-AU-BOIS.

BRYOPHYTES

BARCLAY-ESTRUP P : VEGETATION, SOIL, AIR-POLLUTION INTERRELATIONSHIPS, ESPECIALLY BRYOPHYTES AND LICHENS, ACID-PRECIPITATION AND HEAVY-METAL ACCUMULATIONS. GENERAL PLANT ECOLOGY.
BRODO IM : TAXONOMY OF LICHENS, ESPECIALLY THE GENUS LECANORA AND STUDIES ON THE LICHENFLORA OF CANADA, ESPECIALLY BRITISH-COLUMBIA, ONTARIO & QUEBEC. SYSTEMATIC STUDIES OF VASCULAR PLANTS, BRYOPHYTES, LICHENS & ALGAE (SPECIES OCCURRING IN CANADA & ELSEWHERE IN NORTHERN HEMISPHERE); FLORISTIC STUDIES OF THESE & RARE & ENDANGERED-PLANTS IN CANADA.

BUILDING

BOWEN RP : RESEARCH TO PROVIDE THE KNOWLEDGE BASE REQUIRED FOR THE DESIGN AND OPERATION OF BUILDING SERVICES INCLUDING VENTILATION AND AIR MOVEMENT, SMOKE CONTROL IN TALL BUILDINGS, LIGHTING AND ADVANCED TECHNOLOGY IN BUILDINGS AS WELL AS FOR THE DESIGN OF THE BUILDING ENVELOPE FOR THE CONTROL OF HEAT, AIR AND MOISTURE,
KRZYMIEN ME : TRACE ANALYSIS OF ORGANIC AIR-POLLUTANTS. SAMPLE PRECONCENTRATION FOR ANALYSIS OF TRACE ORGANICS IN AIR. IDENTIFICATION OF EMISSIONS FROM SYNTHETIC BUILDING MATERIALS.
SZABO BS : MECHANICAL AND ELECTRICAL ENGINEERING RELATED TO BUILDING DESIGN COVERING CONCEPT, DESIGN AND DEVELOPMENT, CONSTRUCTION ADMINISTRATION, SYSTEMS MANAGEMENT AND OPERATIONS. IN DEPTH CAPABILITIES IN FIELDS OF ENERGY STUDIES, GENERATION, TRANSMISSION, DISTRIBUTION AND UTILIZATION; POLLUTION-CONTROL, ENVIRONMENTAL STUDIES, BUILDING AUTOMATION DESIGNS.
TIMUSK J : STUDY OF BUILDING MATERIALS, COMPONENTS, DETAILS & CONSTRUCTION METHODS WITH RESPECT TO MAINTENANCE OF INTERIOR TEMPERATURE & MOISTURE LEVELS & AVOIDANCE OF DETRIMENTAL BIOLOGICAL & CHEMICAL ACTIVITY, AGING & ENVIRONMENTALLY INDUCED DISTRESS IN BUILDINGS.
TSUCHIYA Y : ANALYSIS OF GASES AND VAPOURS RELEASED FROM BUILDING MATERIALS AT ROOM TEMPERATURE AND UNDER PYROLYSIS CONDITIONS. THE ANALYTICAL TOOLS USED ARE A GC/MS, MS/MS, HPLC AND IC
WARNOCK ACC : SOUND TRANSMISSION OF ABSORPTION OF BUILDING SYSTEMS & MATERIALS. NOISE & VIBRATION CRITERIA FOR BUILDINGS. DYNAMIC RESPONSE OF STRUCTURES TO VIBRATION. BEHAVIOUR OF SOUND IN ROOMS. PENETRATION OF TRANSPORTATION NOISE & VIBRATION INTO BUILDINGS. SEISMIC REQUIREMENTS IN CANADIAN BUILDINGS.

BUILDINGS

BOWEN RP : RESEARCH TO PROVIDE THE KNOWLEDGE BASE REQUIRED FOR THE DESIGN AND OPERATION OF BUILDING SERVICES INCLUDING VENTILATION AND AIR MOVEMENT, SMOKE CONTROL IN TALL BUILDINGS, LIGHTING AND ADVANCED TECHNOLOGY IN BUILDINGS AS WELL AS FOR THE DESIGN OF THE BUILDING ENVELOPE FOR THE CONTROL OF HEAT, AIR AND MOISTURE,
TIMUSK J : STUDY OF BUILDING MATERIALS, COMPONENTS, DETAILS & CONSTRUCTION METHODS WITH RESPECT TO MAINTENANCE OF INTERIOR TEMPERATURE & MOISTURE LEVELS & AVOIDANCE OF DETRIMENTAL BIOLOGICAL & CHEMICAL ACTIVITY, AGING & ENVIRONMENTALLY INDUCED DISTRESS IN BUILDINGS.
WARDLAW RL : THE EARTH'S SURFACE WIND IS SIMULATED IN LABORATORY WIND-TUNNELS FOR STUDYING URBAN WIND CLIMATE PROBLEMS AND THE EFFECT OF WIND ON BUILDINGS, BRIDGES, SURFACE VEHICLES AND OFFSHORE STRUCTURES.
WARNOCK ACC : SOUND TRANSMISSION OF ABSORPTION OF BUILDING SYSTEMS & MATERIALS. NOISE & VIBRATION CRITERIA FOR BUILDINGS. DYNAMIC RESPONSE OF STRUCTURES TO VIBRATION. BEHAVIOUR OF SOUND IN ROOMS. PENETRATION OF TRANSPORTATION NOISE & VIBRATION INTO BUILDINGS. SEISMIC REQUIREMENTS IN CANADIAN BUILDINGS.

CADDISFLIES

WIGGINS GB : RESEARCH CONCERNED WITH BIOSYSTEMATICS OF TRICHOPTERA (CADDISFLIES), AN ORDER OF AQUATIC INSECTS IMPORTANT IN THE TRANSFER OF ENERGY AND NUTRIENTS IN ALL TYPES OF FRESHWATER HABITATS.

CADMIUM

BRODEUR J : TOXICOLOGIE INDUSTRIELLE ET ENVIRONNEMENTALE: TOXICITE ET METABOLISME DES SOLVANTS AROMATIQUES ET ALIPHATIQUES-HALOGENES; TOXICITE ET METABOLISM DES METAUX TOXIQUES (PLOMB, CADMIUM, MERCURE).

DABEKA WR : ANALYSIS FOR TRACE-ELEMENTS, TOXIC ELEMENTS; LEAD CADMIUM, ARSENIC, TIN, FLUORIDE, MERCURY; FOOD DIETARY INTAKES; ANALYTICAL WATER. INSTRUMENTAL EXPERTISE: GRAPHITE FURNACE ATOMIC, ABSORPTION SPECTROMETRY.

DELISLE CE : PRECIPITATIONS-ACIDES. METAUX-LOURDS: MERCURE, CADMIUM, ZINC, CUIVRE. ETUDES D' IMPACT-ENVIRONNEMENTAL.

FLETCHER GL : ZINC REGULATION IN MARINE FISH. DETOXIFICATION OF METALS SUCH AS CADMIUM IN FISH.

CAFFEINE

SINGH RP : STUDIES ON THE EFFECTS OF ENVIRONMENTAL POLLUTANTS (INSECTICIDES, LEAD, MANGANESE) AND CHEMICALS (PLATINUM, CAFFEINE, LSD ETC.) ON THE GENETIC MATERIAL.

CALIBRATION

BOLLO-KAMARA A : DEVELOPING ANALYTICAL METHODS FOR DETERMINING NUTRIENT STATUS OF SOILS FOR FERTILITY AND DIAGNOSIS PURPOSES. NEW PROCEDURES FOR DETERMINING PLANT AND FEED QUALITY FOR ESTABLISHING DIAGNOSTIC TESTS FOR FIELD CROP CALIBRATION.

EATON RM : LORAN-NAVIGATION; CALIBRATION FOR ACCURATE LATTICE DRAWING AND POSITION CALCULATION. NAVSTAR GPS; CONTRACT SUPERVISION FOR INVESTIGATIONS IN POSITIONING ACCURACY AND SPECIAL MODIFICATIONS FOR HYDROGRAPHIC SURVEYING. ELECTRONIC CHART DISPLAY; INVESTIGATIONS IN TECHNICAL AND ORGANIZATIONAL ASPECTS OF SAFER NAVIGATION THROUGH COMPUTER GENERATED CHART DISPLAYS, WITH EMPHASIS ON PREPARING THE HYDROGRAPHIC DATA-BASE.

CAMPING

EBERHARD JJ : CANOEIST'S MANUAL FOR PROMOTION OF ENVIRONMENTAL & ETHICAL CONCERNS IS GEARED TOWARDS DEVELOPING GUIDELINES FOR: MINIMAL IMPACT CAMPING, CONTACT WITH ANIMALS AND OTHER USER GROUPS; TEACHING MINIMAL IMPACT CAMPING STOVES VS FIRES & SUGGESTIONS FOR POLITICAL ADVOCACY WHILE CANOEING.

CANCER

BRUCE WR : RELATION BETWEEN DIET AND COLON AND BREAST CANCER AND THE POSSIBILITY OF PREVENTING THESE DISEASES.

SMITH LF : EPIDEMIOLOGICAL-STUDIES: POPULATION BASED INFORMATION-SYSTEMS FOR ONTARIO INCLUDING CANCER & REPRODUCTIVE OUTCOMES, POPULATION MONITORING FOR LEAD & PCBS. OUTBREAK INVESTIGATIONS.

WIGLE DT : EPIDEMIOLOGY OF CANCER, BIRTH-DEFECTS & OTHER CHRONIC DISEASES.

CANOLA

BOWREN KE : TESTING HERBICIDES FOR WEED CONTROL IN BARLEY, FLAX AND CANOLA CROPS.

CARBON

BROWN RM : ISOTOPE HYDROLOGY BASED ON VARIATIONS OF ENVIRONMENTAL HYDROGEN, CARBON, OXYGEN, URANIUM ISOTOPES. MEASUREMENT OF ENVIRONMENTAL 3H, 14C. DEVELOPMENT OF SAMPLE PREPARATION TECHNIQUES FOR ACCELERATOR 14C DATING.

GORDON DC : MARINE-ECOLOGY, ECOLOGICAL MODELLING, ORGAN CARBON CYCLING. MARINE POLLUTION, ENVIRONMENTAL-IMPACT-ASSESSMENT. ASSESSMENT WITH FOCUS ON ESTUARIES & CONTINENTAL SHELF ENVIRONMENTS.

HUCK PM : TREATMENT OF DRINKING-WATER (ORGANIC CONTAMINANTS ALTERNATIVE DISINFECTANTS, ACTIVATED CARBON). TREATMENT OF URANIUM MINING & MILLING WASTES (DEVELOPMENT OF A NEW PROCESS FOR RADIUM REMOVAL).

KNETTIG E : ANAEROBIC BIODEGRADATION OF CHLOROPHENOLS. DECHLORINATION OF DIFFERENT ISOMERS & POSSIBLE MINERALIZATION. ACTIVATED CARBON ADSORPTION OF ORGANICS FOR TREATING WASTEWATER EFFLUENTS & DRINKING-WATER.

CARBON-DIOXIDE

CHUNG YS : LONG-RANGE-TRANSPORT-OF-AIR-POLLUTION (LRTAP), SATELLITE DETECTION OF AIR-POLLUTION, EMISSION OF FOREST FIRES, OZONE, SULPHATE, TSP & CARBON-DIOXIDE.

CARBON-DIOXIDE

JORDAN DC : BIOLOGICAL NITROGEN FIXATION REGARDING RHIZOBIA LEGUMINOUS PLANT ASSOCIATION. SYSTEMATICS OF RHIZOBIUM AND BRADYRHIZOBIUM. CARBON-DIOXIDE FIXATION BY RHIZOBIA. POWDER TYPE LEGUME INOCULANTS.

RANDALL DJ : CARBON-DIOXIDE & OXYGEN TRANSFER & ACID-BASE REGULATION IN FISH & AMPHIBIA. INTERACTIONS BETWEEN AMMONIA, CARBON-DIOXIDE & ION MOVEMENT ACROSS FISH GILLS. STUDIES ON FISH & AMPHIBIAN ERYTHROCYTE INTRACELLULAR PH REGULATION.

REDMANN RE : PHYSIOLOGICAL PLANT ECOLOGY, GRASSLAND ECOLOGY, POLLUTION EFFECTS ON PLANTS, ESPECIALLY AIRBORNE SALTS AND ACIDITY, DROUGHT STRESS EFFECTS, PLANT WATER RELATIONS, CARBON-DIOXIDE EXCHANGE IN PLANTS.

SPENCER MS : ETHYLENE IN THE ENVIRONMENT; FACTORS CONTROLLING BIOLOGICAL ETHYLENE PRODUCTION; EFFECTS OF ETHYLENE ON LIVING ORGANISMS. ETHYLENE CARBON-DIOXIDE INTERACTIONS INCLUDING EFFECTS OF DIFFERENT CARBON-DIOXIDE LEVELS ON ETHYLENE PRODUCTION & ACTION IN BIOLOGICAL SYSTEMS.

CARBONATE

JONES EP : CHEMICAL OCEANOGRAPHY RESEARCH, PRIMARILY INVOLVING NUTRIENTS, OXYGEN, ALKALINITY, CARBONATE AND FREONS. AREAS STUDIED INCLUDE ARCTIC OCEAN, BAFFIN-BAY, CANADIAN ARCHIPELAGO, LABRADOR-SEA AND NORTH ATLANTIC OCEAN.

CARBONHYDRATES

HAY GW : ANALYSIS OF ORGANIC CONSTITUENTS OF SOIL & SURFACE & MARINE WATERS WITH EMPHASIS ON CARBONHYDRATES & S- & N- CONTAINING ORGANIC-COMPOUNDS.

CARCINOGENESIS

FEUER GM : MECHANISM OF ACTION OF FOREIGN COMPOUNDS ON THE LIVER CELL AND ITS PHYSIOLOGICAL AND PATHOLOGICAL CONSEQUENCES IN VARIOUS TARGET ORGANS. ROLE OF STEROID HORMONES AND RECEPTOR BINDING IN THE IATROGENIC ACTIONS OF ENVIRONMENTAL CHEMICALS ON THE LIVER, PARTICULARLY IN TUMOUR PRODUCTION (CHEMICAL CARCINOGENESIS). STUDIES ON HUMAN MELANOMA RELATED TO ALTERED PINEAL FUNCTION.

LAHAM S : INHALATION TOXICOLOGY (INDUSTRIAL/OCCUPATIONAL/ ENVIRONMENTAL). METABOLISM OF TOXIC AND CARCINOGENIC SUBSTANCES. PRODUCT SAFETY TOXICOLOGY. INDOOR-AIR QUALITY TOXICOLOGY. CHEMICAL CARCINOGENESIS. NEUROTOXICOLOGY.

MELLORS A : BIOCHEMICAL TOXICOLOGY; PHYSICAL TOXICITY; MOLAR VOLUME CORRELATIONS; HYDROCARBON AND HALOGENATED HYDROCARBON TOXICITY; INHIBITION OF MEMBRANE-BOUND ENZYMES; LYMPHOCYTE TOXICOLOGY; TUMOUR PROMOTION AND CARCINOGENESIS; POLYCHLORINATED-BIPHENYLS; INHIBITION OF CELL ACTIVATION.

CARCINOGENIC

LAHAM S : INHALATION TOXICOLOGY (INDUSTRIAL/OCCUPATIONAL/ ENVIRONMENTAL). METABOLISM OF TOXIC AND CARCINOGENIC SUBSTANCES. PRODUCT SAFETY TOXICOLOGY. INDOOR-AIR QUALITY TOXICOLOGY. CHEMICAL CARCINOGENESIS. NEUROTOXICOLOGY.

CARDIAC

ALLY AI : CARDIOVASCULAR PHARMACOLOGY & TOXICOLOGY: EFFECTS OF ORGANIC METALS ON CARDIAC, BLOOD VESSEL & PLATELET FUNCTION, EMPHASIS ON MECHANISMS OF ACTION: EFFECTS OF NATURAL & MAN-MADE ORGANIC-COMPOUNDS ON PERIPHERAL SYMPATHETIC NERVOUS-SYSTEM & ON CICOSANOID & LEUKOTRIENE-BIOSYNTHESIS & FUNCTION. NEUROCHEMICAL CHARACTERIZATION OF EFFECTS ON CENTRAL NERVOUS-SYSTEM WITH FOCUS ON BIOGENIC AMINES.

CARIBBEAN

HANSON AJ : FISHERIES COASTAL ZONE AND OCEAN MANAGEMENT. RESOURCE ECOLOGY AND DEVELOPMENT. FOREST BIOMASS FOR ENERGY. INTERNATIONAL DEVELOPMENT AND THE ENVIRONMENT WITH EXPERTISE IN SOUTHEAST ASIA AND CARIBBEAN.

CARTOGRAPHIE

BOUCHARD R : CARTOGRAPHIE DES PARAMETRES ENVIRONNEMENTAUX DE L' ELEVAGE DU PORC A PARTIR D'UN SYSTEME D' INFORMATION A REFERENCE SPATIALE. CLASSIFICATION GENETIQUE DES CLIMATS DU SAGUENAY, LAC-ST-JEAN. L' AGRICULTURE A SAINTE-CATHERINE DE PORTNEUF: POLLUTANT DES SOURCES D' EAU-POTABLE. LES DEPOTOIRS DE NEIGE USEE DE CHICOUTIMI.

CARTOGRAPHIE

VAILLANCOURT G : METHODOLOGIE D'ETUDES D'IMPACTS. STRUCTURES DES GROUPEMENTS BENTHIQUES CARTOGRAPHIE ECOLOGIQUE.

CATALYSTS

GEORGE Z : SULPHUR-DIOXIDE EMISSION. HYDROGEN-SULPHIDE EMISSION. REACTION BETWEEN SULPHUR-DIOXIDE & HYDROGEN-SULPHIDE. ROLE OF CATALYSTS IN THE ABOVE REACTION. SULPHUR RECOVERY.

CATERPILLARS

LECHOWICZ MJ : ECOLOGY OF PLANT PRODUCTIVITY. CONTROLS ON PLANT GROWTH AND REPRODUCTION, ESPECIALLY FOR ANNUAL WEEDS LIKE XANTHIUM-STRUMARIUM. NATURAL TREE DEFENSES AGAINST LEAF-FEEDING CATERPILLARS. CLIMATIC CONTROL OF LICHEN PRODUCTIVITY. ACID-RAIN EFFECTS ON LICHEN PRODUCTIVITY.

CATTLE

SHEMANCHUK JA : INVESTIGATING METHODS OF PROTECTING CATTLE AND HUMANS FROM BLOOD-SUCKING FLIES THROUGH USE OF REPELLENTS, BIOLOGICAL AGENTS AND MANAGEMENT PRACTICES IN AN ATTEMPT TO REDUCE THE DEPENDENCE ON CHEMICAL PESTICIDES.

CAVITATION

NORTH H : REDUCTION OF THERMAL & CHEMICAL POLLUTION; LOW FREQUENCY CAVITATION PROCESSING; RESONANCE GRINDING COMMINUTION.

CELLULOLYTIC

PATEL GB : ISOLATION, CHARACTERIZATION & STUDY OF THE PHYSIOLOGY OF OBLIGATE-ANAEROBES INVOLVED IN THE BREAKDOWN OF COMPLEX ORGANIC MATTER PRESENT IN ANAEROBIC ECOSYSTEMS (CELLULOLYTIC, SACCHARDLYTIC, METHANOGENIC-BACTERIA). SEWAGE TREATMENT; PULP & PAPER.

CELLULOSE

FORSBERG CW : CELLULOSE & HEMICELLULOSE DIGESTION BY RUMEN BACTERIA; PROTEIN DIGESTION BY RUMEN MICROORGANISMS. ACETONE & BUTANOL PRODUCTION FROM CELLULOSIC & HEMICELLULOSIC MATERIALS BY CLOSTRIDIUM-ACETOBUTYLICUM; GENETIC MANIPULATION OF RUMEN BACTERIA.

KILBURN DG : LARGE SCALE CULTURE OF ANIMAL CELLS. PRODUCTION OF INDUSTRIAL ENZYMES (E.G. CELLULOSE) BY DNA TECHNOLOGY.

KUSHNER DJ : MICROORGANISMS IN EXTREME ENVIRONMENTS. BIODEGRADATION OF CELLULOSE AND OTHER CONSTITUENTS OF WOODS. BIODEGRADATION OF PETROLEUM AND ALKANES. ACTION OF HEAVY-METALS ON MICROORGANISMS AND OF MICROORGANISMS ON HEAVY-METAL.

CELLULOSIC

FORSBERG CW : CELLULOSE & HEMICELLULOSE DIGESTION BY RUMEN BACTERIA; PROTEIN DIGESTION BY RUMEN MICROORGANISMS. ACETONE & BUTANOL PRODUCTION FROM CELLULOSIC & HEMICELLULOSIC MATERIALS BY CLOSTRIDIUM-ACETOBUTYLICUM; GENETIC MANIPULATION OF RUMEN BACTERIA.

KHAN AW : ANAEROBIC CONVERSION OF CELLULOSIC WASTE OBTAINED FROM FORESTRY, AGRICULTURE, FARM, PAPER AND FOOD INDUSTRY AS WELL AS INDUSTRIAL AND MUNICIPAL SOLID-WASTE, TO FUELS AND CHEMICAL FEED STOCK.

CEREAL

HADZIYEV D : OILSEED TECHNOLOGY & CEREAL SCIENCE, FRUIT & VEGETABLE PROCESSING; USE OF YAM & OTHER STARCHES IN BREADMAKING; POTATO PROCESSING: CHEMISTRY & BIOCHEMISTRY ASPECTS (PRESERVATION) OF VITAMINS, FLAVORING CONSTITUENTS, TAILORING OF OIL UPTAKE, STICKINESS IN DEHYDRATED MASHED POTATOES). CEREALS EXTENSION.

PIENING L : CHEMICAL AND BIOLOGICAL CONTROL OF CEREAL DISEASES. BACTERIAL DISEASES OF WHEAT.

SHARMA MP : BEHAVIOUR & FATE OF HERBICIDES IN SOIL & PLANTS; CHEMICAL WEED CONTROL IN CEREAL & OILSEED CROPS; EFFECT OF ENVIRONMENTAL FACTORS ON HERBICIDE PERFORMANCE; CHEMICAL DAMAGE DIAGNOSTICS; EXTENSION SERVICE & RESEARCH.

CEREALES

BOLDUC RJ : PHYSIOLOGIE ET BIOCHIMIE DU FROID, DE LA SECHERESSE ET DE LA SALINITE CHEZ LES PLANTES CULTIVEES. PHYSIOLOGIE DE LA PRODUCTION DES PLANTES CULTIVEES SOUS CHACUN DE CES STRESS. CULTURES A L'ETUDE: HERBAGES, CEREALES, PLANTES ORNEMENTALES, CULTURES FRUITIERES, ESPECES LIGNEUSES.

CEREALS

ABRAMSON D : MYCOTOXINS IN STORED CEREALS & OILSEEDS: DEVELOPMENT MYCOLOGY, METHODS OF ANALYSIS; MYCOTOXIN METABOLISM IN LIVESTOCK; FUNGAL ODOUR ANALYSIS; MASS-SPECTROMETRY OF MYCOTOXINS & RELATED METABOLITES.

CHARNETSKI WA : RELATIONSHIP OF AERIAL & GROUND APPLICATION OF AGRICULTURAL SPRAYS TO INSECT-CONTROL & PLANT DENSITY TO CROP CANOPY PENETRATION ON ALFALFA & CEREALS. EVALUATION OF INSECTICIDES & THEIR SAFETY TO BENEFICIAL INSECTS INCLUDING LEAFCUTTER-BEES. INSECTICIDE RESIDUE DYNAMICS IN TERRESTRIAL & AQUATIC-ECOSYSTEMS.

HADZIYEV D : OILSEED TECHNOLOGY & CEREAL SCIENCE, FRUIT & VEGETABLE PROCESSING; USE OF YAM & OTHER STARCHES IN BREADMAKING; POTATO PROCESSING: CHEMISTRY & BIOCHEMISTRY ASPECTS (PRESERVATION) OF VITAMINS, FLAVORING CONSTITUENTS, TAILORING OF OIL UPTAKE, STICKINESS IN DEHYDRATED MASHED POTATOES). CEREALS EXTENSION.

QURESHI FA : PLANT PHYSIOLOGY. MODE OF ACTION OF HERBICIDES, ENVIRONMENTAL FACTORS AND PERFORMANCE OF HERBICIDES, CHEMICAL WEED CONTROL IN CEREALS AND OILSEED CROPS, EXTENSION AND ADVISORY SERVICE IN WEED CONTROL AND HERBICIDE DAMAGE DIAGNOSTIC.

CHAETAL-DEFORMITIES

REYNOLDISON TB : USE OF OLIGOCHAETA AS INDICATORS OF TOXIC CONTAMINANT STRESS. THIS INVOLVES EXAMINATION OF INDIVIDUAL SPECIMENS FOR THE PRESENCE OF CHAETAL-DEFORMITIES. IDENTIFICATION OF THE ROLE OF TEMPERATURE & OXYGEN IN THE POPULATION-DYNAMICS OF OLIGOCHAETA IN LAKE ERIE.

CHAMPIGNONS-PATHOGENES

HARDY Y : PROTECTION DES FORETS CONTRE LES INSECTES ET LES MALADIES; EPIDEMIOLOGIE ET LES MOUVEMENTS DES POPULATIONS D'INSECTES AINSI QUE L'ETUDE DES CHAMPIGNONS-PATHOGENES. LA CULTURE DE SEMIS EN CONTENEURS, LA SYLVICULTURE DES RESINEUX ET DES FEUILLUES, LA TELEDETECTION, LA GENETIQUE.

CHANGE

BOND WK : LAND-USE ANALYSIS; STUDY EFFECTS OF FEDERAL GOVERNMENT PROGRAMS ON USE AND MANAGEMENT OF CANADA'S LAND RESOURCE; ANALYSIS OF EXTENT, NATURE, CAUSES AND CONSEQUENCES OF LAND-USE CHANGE ON CANADA'S AGRICULTURAL MARGINS; STUDY OF FRUITLAND CHANGE.

DUNBAR MJ : ARCTIC & SUBARCTIC MARINE ECOSYSTEMS; CLIMATIC CHANGE & ITS EFFECTS ON MARINE FAUNA & FLORA; BIOLOGICAL & ENVIRONMENTAL CYCLES.

HOLDER-FRANKLIN MA : MATHEMATICAL-MODELS FOR THE MEASUREMENT OF POPULATION SHIFTS OF RIVER BACTERIA IN RESPONSE TO ENVIRONMENTAL CHANGE; PRIMARILY MULTIVARIATE STATISTICAL ALGORITHMS.

KARIEL HG : NOISE IN OUTDOOR RECREATIONAL ENVIRONMENTS; ENVIRONMENTAL PERCEPTION, SOCIO-CULTURAL AND ENVIRONMENTAL CHANGE ASSOCIATED WITH TOURISM; DIFFUSION OF IDEAS AND ARTIFACTS.

MAGILL BL : DEVELOPMENT AND IMPLEMENTATION OF AN AIR-QUALITY AND CLIMATOLOGY RESEARCH PROGRAM. RESEARCH WILL BE DIRECTED TOWARDS AIR-QUALITY CONCERNS INVOLVING SOUR GAS FLARING, FUGITIVE AND UNCONTROLLED EMISSIONS FROM INDUSTRIAL SOURCES URBAN AIR-QUALITY AND CLIMATE CHANGE AND VARIABILITY.

MCCUAIG JD : LAND-USE PLANNING: GEOGRAPHY; LAND-USE POLICIES; RURAL & AGRICULTURAL LAND-USE CHANGE ANALYSIS: LAND VALUE CHANGE; FEDERAL PROGRAM IMPACT ON LAND-USE; PLANNING METHODS AND TOOLS; FEDERAL/ PROVINCIAL LIAISON.

OGDEN JG : ECOLOGICAL EFFECTS OF ACID-PRECIPITATION. RECENT CLIMATIC CHANGE: TRENDS AND IMPACTS.

PETERSON RH : PHYSIOLOGICAL RESPONSES OF EARLY LIFE STAGES OF FISH TO LOW PH & ASSOCIATED TOXIC METALS; STRESSING INTERFERENCE WITH HATCHING, ION ACCUMULATION & AVOIDANCE. MONITORING OF LATE RESPONSES TO PH CHANGE.

ROSEHART RG : WATER-POLLUTION CONTROL IN PULP-AND-PAPER AND MINING INDUSTRY. (COLOUR REMOVAL, TOXICITY REDUCTION AND PROCESS CHANGE). PUBLIC CONSULTATION, GOVERNMENT POLICY FORMULATION.

TERASMAE J : QUATERNARY GEOLOGY, PALYNOLOGY, PALEAECOLOGY, GEOCHRONOLOGY (RADIO-CARBON DATING), TREE-RING STUDIES; GEOCHEMISTRY, SEDIMENTOLOGY OF LAKE SEDIMENTS (PALEOLIMNOLOGY) & PEAT DEPOSITS FOR STRATIGRAPHIC-CORRELATION PALEOENVIRONMENTAL ANALYSIS (INCLUDING CLIMATE CHANGE, VEGETATION HISTORY & HUMAN ACTIVITIES).

WHEATOON EE : APPLIED CLIMATOLOGY, ESPECIALLY IN AGRICULTURE; DUST STORMS & WIND EROSION. ENVIRONMENTAL-IMPACT-ASSESSMENTS DESCRIPTIVE CLIMATOLOGY, AIR-POLLUTION CLIMATOLOGY, CLIMATIC VARIATION AND CHANGE, ENERGY CLIMATOLOGY.

CHANGE

YOUNG JWS : LRTAP, TOXIC-CHEMICALS, ENERGY, NORTH, GREAT-LAKES WATER-QUALITY, AIR-QUALITY, CLIMATE CHANGE, OXIDANTS. MAIN FOCUS IS THE ATMOSPHERIC PATHWAY PORTION OF THESE AREAS.

CHARBON

PAGEAU Y : ECONOMIE DES RESSOURCES MINERALES NON-RENOUVELABLE DONT LES RESSOURCES ENERGETIQUES (CHARBON, PETROLE, GAS ET URANIUM). ENERGIE VERSUS ENVIRONNEMENT (TOUTE ECONOMIE D'ENERGIE SE SOLDE EN AMELIORATION DE L' ENVIRONNEMENT.) PREOCCUPATION CONCERNANT L' ENERGIE NUCLEAIRE.

CHAUFFAGE-AU-BOIS

PAULIN G : INVENTAIRE DE DOXINES & FURANNES, EFFETS SUR LA SANTE, INVENTAIRE SUR LES COMPOSES-ORGANIQUES-VOLATILS; ETUDES SUR LES HYDROCARBURES-POLYNUCLEAIRES-AROMATIQUES, ETUDES SUR LE BRUIT-COMMUNAUTAIRE, EVOLUTION DE LA QUALITE DE L' AIR AU QUEBEC, EFFET DU CHAUFFAGE-AU-BOIS.

CHEMICAL-ACCIDENTS

JONES PH : STUDY, DESIGN AND OPERATION OF BIOLOGICAL WASTEWATER-TREATMENT, SOLID-WASTE MANAGEMENT, TOXIC AND HAZARDOUS-CHEMICALS, CHEMICAL-ACCIDENTS, ENVIRONMENTAL HEALTH IMPACT-ASSESSMENT. BIOLOGICAL REMOVAL ON PHOSPHORUS AND NITROGEN.

CHEMICAL-ANALYSIS

DART FJ : POTABLE-WATER: CONTROL OF EXCESS INORGANICS PARTICULARLY BY SEQUESTRATION TECHNIQUES; CHEMICAL-ANALYSIS INTERPRETATION; CORROSION, FOULING AND CONTAMINANT SOURCE ASSESSMENTS; PURIFICATION ALTERNATIVES; CHEMISTRY ASSESSMENTS OF WASTEWATER, INDUSTRIAL-WASTES AND LANDFILL.

LINKERT WG : CHEMICAL-ANALYSIS OF SOP AIR FOR FUMES, SOLVENTS, & DUST ETC; TURBINE EXHAUST FOR NOX, WASTEWATER AND OIL FOR PCB.

MARCINIUK J : MONITORING OF WATER WELLS COMPLETED INTO AQUIFERS UP TO 460M IN DEPTH. DATA CONSISTS OF CONTINUOUS WATER LEVEL CHARTS & PERIODIC ROUTINE & DETAILED WATER CHEMICAL-ANALYSIS AVAILABLE FOR SOME WELLS SINCE 1956.

OLDHAM KB : APPLICATION OF ELECTROCHEMICAL METHODS TO CHEMICAL-ANALYSIS, EG. DISSOLVED OXYGEN. METHODOLOGY FOR ACCESSING BATTERY PERFORMANCE. MATHEMATICAL-MODELLING.

CHEMICAL-COMPOSITION

HAVAS M : EFFECTS OF LOW PH AND METALS (A1, 2N, NI, FE, CA, ETC) ON SURVIVAL, REPRODUCTION, SODIUM REGULATION CHEMICAL-COMPOSITION OF AQUATIC INVERTEBRATES FROM BOTH ARCTIC (SMOKING HILLS, NWT) AND TEMPERATE REGIONS. METAL CONTENT AND LOCALIZATION IN AQUATIC MACROPHYTES. EFFECTS OF ALUMINUM ON SUGAR-MAPLE DIEBACK.

CHEMICALS

ANDERSUN JC : COLOUR REMOVAL MECHANISMS INCLUDING ALUM WITH OTHER WATER-TREATMENT CHEMICALS, OZONE AND SLOW SAND FILTRATION. EFFICIENCY AND ENERGY CONVERSION CAPABILITIES.

BOND EJ : USE OF CHEMICALS ESPECIALLY FUMIGANTS FOR THE CONTROL OF PESTS IN STORED PRODUCTS & STORAGE & TRANSPORTATION FACILITIES. ANALYSIS & SIGNIFICANCE OF THE PESTICIDE CHEMICALS IN THE ENVIRONMENT.

DOUGLAS GR : GENETIC TOXICOLOGY, MUTAGENESIS, GENETIC MONITORING OF HUMAN POPULATION. APPLICATION OF GENETIC TOXICOLOGY DATA IN REGULATION OF CHEMICALS. WORLD HEALTH ORGANIZATION COLLABORATION CENTRE ON ENVIRONMENTAL-MUTAGENESIS.

DOUGLAS VM : MANAGEMENT OF NEW CHEMICALS PROGRAM UNDER WHICH INDUSTRY MUST NOTIFY FEDERAL GOVERNMENT OF AN IMPORT OR MANUFACTURE OF A NEW CHEMICAL: HAZARD ASSESSMENT SPECIALIST PROGRAM DEVELOPMENT, TOXIC POLICY REVIEW & DEVELOPMENT, COORDINATION OF CRITERIA DEVELOPMENT, DEVELOPMENT OF REGULATION.

DOWNER RGH : EFFECTS OF INSECTICIDES AND OTHER AGRICULTURAL CHEMICALS ON METABOLISM AND CONCENTRATION OF MONOAMINES IN THE NERVOUS-SYSTEMS OF TARGET AND NON-TARGET ANIMALS: CORRELATIONS BETWEEN MONOAMIN LEVELS AND BEHAVIOUR; INSECTICIDE DEVELOPMENT.

FEUER GM : MECHANISM OF ACTION OF FOREIGN COMPOUNDS ON THE LIVER CELL AND ITS PHYSIOLOGICAL AND PATHOLOGICAL CONSEQUENCES IN VARIOUS TARGET ORGANS. ROLE OF STEROID HORMONES AND RECEPTOR BINDING IN THE IATROGENIC ACTIONS OF ENVIRONMENTAL CHEMICALS ON THE LIVER, PARTICULARLY IN TUMOUR PRODUCTION (CHEMICAL CARCINOGENESIS). STUDIES ON HUMAN MELANOMA RELATED TO ALTERED PINEAL FUNCTION.

GRANT WF : CYTOGENETIC EFFECTS OF ENVIRONMENTAL CHEMICALS, PRIMARILY PESTICIDES. USE OF HIGHER PLANT ASSAY SYSTEMS FOR TESTING FOR ENVIRONMENTAL-MUTAGENS.

CHEMICALS

HARA TJ : PHYSIOLOGICAL, BIOCHEMICAL, MORPHOLOGICAL & BEHAVIORAL STUDIES ON CHEMORECEPTION IN FISH; ITS ROLE IN MIGRATION & REPRODUCTION; ITS APPLICATION TO FISHING & AQUACULTURE; & ITS INTERACTIONS WITH TOXIC CHEMICALS & ACID-PRECIPITATION.

KOSARIC N : BIOCHEMICAL AND FOOD ENGINEERING. WASTEWATER MANAGEMENT. NEW PROCESS AND PRODUCT DEVELOPMENT RELATED TO ENERGY, FOOD, SPECIALTY CHEMICALS AND ENVIRONMENT.

KRUUS P : ANALYSIS OF THE CONTROVERSIES SURROUNDING VARIOUS CHEMICALS. JOINT EDITOR OF "CONTROVERSIAL CHEMICALS: A CITIZEN'S GUIDE", MULTISCIENCE, MONTREAL, 1979, REVISED SECOND EDITION. PUBLISHED JOINTLY BY MULTISCIENCE AND THE CHEMICAL INSTITUTE OF CANADA, 1984. RISK-ANALYSIS.

KURYS JG : TOXICOLOGICAL EVALUATION OF VOLATILE CHEMICALS IN AMBIENT AIR FOR EFFECTS USING HUMAN FAT & MILK; BOVINE-FAT & MILK; PORCINE-FAT & AVIAN SPECIES FOR RESIDUE ANALYSIS; RAW MILK; RAW & TREATED WATER; SOIL & VEGETABLES. SECOND PART OF RESEARCH CARRIED OUT ON METABOLIC PROCESSES AND THEIR MODE OF ACTION.

MASSEY TE : PULMONARY TOXICOLOGY: INVESTIGATING THE ROLES OF DIFFERENT LUNG & AIRWAY CELL TYPES IN THE TOXIFICATION & DETOXIFICATION OF ENVIRONMENTAL CHEMICALS.

MELOCHE PH : FORINTEK CANADA CORP. IS A PRIVATE, NON-PROFIT RESEARCH AND DEVELOPMENT CORPORATION ACTIVELY ENGAGED IN ALL MAJOR SCIENTIFIC AND TECHNICAL DISCIPLINE RELATED TO WOOD PRODUCTS: SAWMILLING; SEASONING; MACHINING; COMPOSITE PRODUCTS; ADHESIVES; WOOD BASED ENERGY AND CHEMICALS; HOUSING MATERIALS SCIENCE; TIMBER ENGINEERING; WOOD PRESERVATION; FIRE RETARDANTS AND THE WOOD SCIENCES. ASSISTANCE AND EXPERT ADVICE ARE AVAILABLE TO FOREST PRODUCTS INDUSTRIES, GOVERNMENT AGENCIES, TRADE ASSOCIATIONS, CONSULTANTS, EQUIPMENT MANUFACTURERS, EDUCATIONAL INSTITUTIONS AND THE GENERAL PUBLIC.

OVEREND RP : INVESTIGATION OF POTENTIAL AND APPLICATIONS OF BIOMASS LIQUEFACTION AND FRACTIONATION FOR CHEMICALS AND ENERGY. PEAT MINING AND DEWATERING WITH ENVIRONMENTAL-IMPACT AND PROCESS IMPACT.

PHILLIPS SF : VEGETATION & SOIL STUDIES TO DETERMINE DEGREE & EXTENT OF ENVIRONMENTAL-CONTAMINATION & EFFECTS ON TERRESTRIAL-ECOSYSTEMS. DIRECT & INDIRECT EFFECTS OF HEAVY-METALS & SULPHUR-DIOXIDE FROM NON-FERROUS METAL SMELTERS ON BOREAL-FOREST ECOSYSTEMS; MONITOR LRTAPS, WOOD PRESERVATIVE CHEMICALS.

PINDER KL : ANAEROBIC FERMENTATION OF HIGH BOD FOOD-WASTES. RECOVERY OF CHEMICALS FROM CHLORINE-DIOXIDE BLEACH EFFLUENTS. AUTOCAUSTICIZING OF KRAFT LIQUORS TO ELIMINATE RECAUSTICIZING EFFLUENT.

REYES AA : SOIL MICROBIOLOGY, ESPECIALLY FUNGI CAUSING ROOT ROTS AND WILTS OF VEGETABLES. MY CONCERN IS TO AVOID THE USE OF CHEMICALS FOR THEIR CONTROL. RESEARCH ALSO ON STORAGE PATHOLOGY OF VEGETABLES, E.G. PREVENTION OF SOFT ROTS BY SUPPLYING STORAGE CHAMBERS WITH DIFFERENT COMBINATIONS OF GASES.

ROZEE KR : ENVIRONMENTAL CHEMICAL ENHANCERS OF VIRUS INFECTIONS PUBLIC-HEALTH AND ENVIRONMENTAL CHEMICALS. EPIDEMIOLOGY OF VIRUS INFECTIONS IN NORTHERN CLIMATES.

SHAWKI SM : SPECIALTY CHEMICALS & CHEMICAL SERVICES FOR WATER CLARIFICATION & POLLUTION-CONTROL FOR MUNICIPALITIES & INDUSTRIES SUCH AS MINING, PULP & PAPER, AUTOMOTIVE, METAL INDUSTRIES & OIL FIELD SERVICES.

SHAW GG : DETERMINING THE CONCENTRATION OF SULPHUR, METALS & PESTICIDES IN SOIL, AIR, WATER, VEGETATION & ANIMALS & THE EFFECTS OF THOSE CHEMICALS & ELEMENTS ON PLANTS & ANIMALS THROUGH EXPERIMENTS & STATISTICAL-ANALYSIS.

SINGH RP : STUDIES ON THE EFFECTS OF ENVIRONMENTAL POLLUTANTS (INSECTICIDES, LEAD, MANGANESE) AND CHEMICALS (PLATINUM, CAFFEINE, LSD ETC.) ON THE GENETIC MATERIAL.

STAVRIC B : MUTAGENS (TOXICANTS) IN FOODS: NATURALLY OCCURING OR INTRODUCED THROUGH MAN-MADE AGRICULTURAL CHEMICALS. BIO-ANALYTICAL PROCEDURES IN INTERPHASING STANDARD CHEMICO-ANALYTICAL METHODS WITH BIOASSAYS FOR DETECTING TOXIC (MUTAGENIC) COMPONENTS OF METABOLICS IN COMPLEX MATRICES (FOODS).

TOUGH G : MANUFACTURE, DISTRIBUTION AND SERVICING OF FLOW MEASUREMENT PRODUCTS & SYSTEMS FOR RESOURCE MANAGEMENT OF FLUIDS SUCH AS WATER, PETROLEUM PRODUCTS, CHEMICALS, SLURRIES AND NATURAL-GAS.

WHITTLE DM : TRENDS IN CONTAMINANTS (PESTICIDES, INDUSTRIAL CHEMICALS AND TRACE-METALS) IN AQUATIC BIOTA FROM THE LAURENTIAN GREAT LAKES. DETERMINE THE IMPACT OF CONTAMINANT BURDENS ON THE AQUATIC-ECOSYSTEM.

WONG PTS : ALGAL PHYSIOLOGY & TOXICOLOGY; TRANSFORMATION OF HEAVY METALS IN AQUATIC ENVIRONMENT; EFFECTS OF CHEMICALS IN AQUATIC BIOTA (FISH & PHYTOPLANKTON).

ZITKO V : DETECTION, IDENTIFICATION, MEASUREMENT, EFFECTS OF CHEMICALS ON AQUATIC-BIOTA. MASS-SPECTROMETRY, ENVIRONMENTAL MODELLING, TOXICOLOGY, ORGANIC-CHEMICALS.

CHEMODYNAMICS

SUNDARAM KMS : CHEMODYNAMICS OF POLLUTANTS AND THEIR FATE IN THE ENVIRONMENT INCLUDING THEIR TOXICITY TO VARIOUS ORGANISMS.

CHEMORECEPTION

HARA TJ : PHYSIOLOGICAL, BIOCHEMICAL, MORPHOLOGICAL & BEHAVIORAL STUDIES ON CHEMORECEPTION IN FISH; ITS ROLE IN MIGRATION & REPRODUCTION; ITS APPLICATION TO FISHING & AQUACULTURE; & ITS INTERACTIONS WITH TOXIC CHEMICALS & ACID-PRECIPITATION.

CHICKS

JAMES PC : POPULATION ECOLOGY OF THE MERLIN-FALCO-COLUMBARIUS; LONG-TERM STUDY OF ON URBAN POPULATION IN SASKATOON. CHICKS BANDED & ADULTS TRAPPED EACH YEAR. ALLOWS DATA ON AGE STRUCTURE, TURNOVER & MORTALITY RATE ETC.

CHIMIE

BERGERON JM : IMPACT DE LA CHIMIE DES HABITATS SUR LA SANTE, LA SURVIE ET CERTAINS PARAMETRES DE DYNAMIQUE DE POPULATIONS D' HERBIVORES.

BRIERE FM : EPURATION-DES-EAUX-USEES ET POTABLES; CHIMIE DE L' EAU, EPURATION-DES-EAUX-USEES EN MILIEU NORDIQUE; GESTION-DES-EAUX.

MALLET VN : CHIMIE ANALYTIQUE; POLLUANTS CHIMIQUES; DEPUIS PLUSIEURS ANNEES J'OEUVRE DANS LE DEVELOPPEMENT D METHODES D'ANALYSE DE PESTICIDES. UNE PARTIE DE MON TRAVAIL CONSISTE A IDENTIFIER LES PRODUITS DE LA DEGRADATION DE CES SUBSTANCES CHIMIQUES.

CHINA

BURGER D : FOREST LAND-CLASSIFICATION. EXPERTISE: TREE SPECIES, SITE RELATIONSHIPS (LOCAL & REGIONAL) SOILS, PHYSIOGRAPHY. PROJECTS: SITE REGIONS OF ONTARIO; FOREST ECOREGIONS NORTHEAST US; COMPARISON OF ECOLOGICAL CONDITIONS IN ONTARIO & NORTHEAST CHINA.

CHIENG S : DRAINAGE, IRRIGATION, LAND & WATER-RESOURCES MANAGEMENT. HYDROLOGY & COMPUTER APPLICATION TO AGRICULTURAL ENGINEERING. EXPERIENCE IN CANADA, USA, CHINA, MALAYSIA, TAIWAN.

CHINOOKS

MATHEWS T : ACOUSTIC REMOTE-SENSING OF THE ATMOSPHERE USING MONOSTATIC & DOPPLER RADAR TO MEASURE TURBULENCE & WIND PROFILES TO STUDY CHINOOKS & OTHER MESOSCALE PHENOMENA & TO APPLY TO POLLUTION DISPERSION PROBLEMS.

CHIRONOMIDAE

ROSENBERG DM : DESIGN OF ENVIRONMENTAL-IMPACT STUDIES; EFFECTS OF ENVIRONMENTAL DISTURBANCES ON MACROBENTHIC INVERTEBRATES; SAMPLING METHODS & DESIGN OF SAMPLING PROGRAMS FOR MACROBENTHOS; ECOLOGY OF CHIRONOMIDAE; AQUATIC INSECTS OF FRESHWATER WETLANDS.

CHLORALKALI

CHIA CJ : MERCURY POLLUTION, WASTE ALKYLATION ACID, WASTE SULPHATE SOLUTION FROM CHLORALKALI PLANT. AMMONIA CONDENSATES & THEIR TREATMENT AND OR RECOVERY.

CHLORINATED-ORGANIC-COMPOUNDS

CHOW YL : NITRITE NITRATE CHAINS IN FOOD SYSTEM AND ENVIRONMENT. CHLORINATED-ORGANIC-COMPOUNDS IN ENVIRONMENT. RESEARCH ON FORMATION PATTERNS & DESTRUCTIONS.

CHLORINATED-PHENOLS

OZBURN GW : MULTIPLE ORGANIC TOXICITY, BIOACCUMULATION, BIOCONCENTRATION EFFECT ON GROWTH, ETC. USING FLAGFISH AND BROOK-TROUT. CHLORINATED-BENZENES AND CHLORINATED-PHENOLS, ETHYLENES & ETHANES AS CONTAMINANTS.

CHLORINATION

OLIVER BG : PATHWAYS OF ORGANIC CONTAMINANTS IN AQUATIC ENVIRONMENT, BIOCONCENTRATION & BIOACCUMULATION OF ORGANICS BY FISH, BY-PRODUCTS OF DRINKING-WATER CHLORINATION.

CHLORINE

BIRKBECK AE : CHARACTERISATION & TREATMENT OF LANDFILL LEACHATE, ODOUR CONTROL AT LANDFILLS. INDUSTRIAL & MUNICIPAL WASTEWATER-TREATMENT, RECLAMATION & RECIRCULATION FOR FISH HATCHERIES. DESIGN & EVALUATION OF SMALL DISINFECTION UNITS, CHLORINE, OZONE & ULTRAVIOLET.

CHLORINE-DIOXIDE

PINDER KL : ANAEROBIC FERMENTATION OF HIGH BOD FOOD-WASTES. RECOVERY OF CHEMICALS FROM CHLORINE-DIOXIDE BLEACH EFFLUENTS. AUTOCAUSTICIZING OF KRAFT LIQUORS TO ELIMINATE RECAUSTICIZING EFFLUENT.

CHLOROFLUOROALCANES

CARBONNEAU JM : ELABORATION DE MOYENS DE CONTROLE (E.G. CODE DE RECOMMENDATIONS TECHNIQUES, LIGNES DIRECTRICES, REGLEMENTS) SUR LES SUBSTANCES CONTROLEES PAR LA LOI SUR LES CONTAMINANTS DE L' ENVIRONNEMENT, DONT LES BIPHENYLES-CHLORES (BPC) ET LES CHLOROFLUOROALCANES (CFC).

CHLOROPHENOLS

KNETTIG E : ANAEROBIC BIODEGRADATION OF CHLOROPHENOLS. DECHLORINATION OF DIFFERENT ISOMERS & POSSIBLE MINERALIZATION. ACTIVATED CARBON ADSORPTION OF ORGANICS FOR TREATING WASTEWATER EFFLUENTS & DRINKING-WATER.

CHLOROPHYLLE

AUCLAIR JC : HYDROBIOLOGIE; ECOLOGIE-AQUATIQUE; ECOSYSTEME AQUATIQUE; EUTROPHISATION; POLLUTION-EAU; LIMNOLOGIE; LAC ACIDIFICATION; PRECIPITATIONS-ACIDES LAC; ALGUE PLANCTON; PHYTOPLANCTON; CHLOROPHYLLE; OXYGENE DISSIUS; MATIERE ORGANIQUE; PHOSPHATE; PHOSPHORE.

CHROMATOGRAPHY

AFGHAN BK : ANALYTICAL-CHEMISTRY. RESEARCH AND OPERATIONAL EXPERIENCE IN MODERN VOLTAMETRIC AND ELECTROANALYTICAL TECHNIQUES, HIGH SPEED LIQUID CHROMATOGRAPHY, HIGH RESOLUTION GAS CHROMATOGRAPHY, ATOMIC AND MOLECULAR ADSORPTION AND LUMINESCENCE TECHNIQUES.

FORBES MA : ANALYTICAL CHEMISTRY. EXPERIENCE IN MODERN ANALYTICAL TECHNIQUES SUCH AS GC/MS, HIGH PERFORMANCE LIQUID CHROMATOGRAPHY, HIGH RESOLUTION GAS-CHROMATOGRAPHY, AUTOMATED ANALYSIS, OPERATIONAL LABORATORY MANAGEMENT IN THE FIELD OF WATER-QUALITY.

GAYNOR JD : PERSISTENCE, DEGRADATION, MOVEMENT & LEACHING OF HERBICIDES. METABOLISM OF HERBICIDES BY PLANTS & ANALYSIS OF HERBICIDE RESIDUES IN CROPS. METHOD DEVELOPMENT FOR HERBICIDE ANALYSIS IN VARIOUS SUBSTRATES. INSTRUMENTAL ANALYSIS USING GAS, LIQUID & THIN LAYER CHROMATOGRAPHY, MASS-SPECTROSCOPY.

CHRONOSTRATIGRAPHY

AKSU A E : PALEOCLIMATIC AND OCEANOGRAPHIC EVOLUTION OF THE LABRADOR-SEA AND BAFFIN-BAY DURING THE LAST 25 MA ODP (LEG 105) ARCTIC OCEAN CHRONOSTRATIGRAPHY. SEISMIC STRATIGRAPHY OF SMALL DELTAS IN MICROTIDAL SETTING (AEGEAN-SEA). SEDIMENTOLOGY AND GEOCHEMISTRY OF SALINE AND BITTER LAKES IN ANATOLIA. AMINO-ACID EPIMERIZATION IN FORAMINIFERA. SEDIMENTOLOGY AND SEISMIC STRATIGRAPHY OF FIORDS AND BAYS AROUND NEWFOUNDLAND. SEDIMENTOLOGY OF SHELF BASINS, SLOPE AND RISE TRANSITION.

CICOSANOID

ALLY AI : CARDIOVASCULAR PHARMACOLOGY & TOXICOLOGY: EFFECTS OF ORGANIC METALS ON CARDIAC, BLOOD VESSEL & PLATELET FUNCTION, EMPHASIS ON MECHANISMS OF ACTION: EFFECTS OF NATURAL & MAN-MADE ORGANIC-COMPOUNDS ON PERIPHERAL SYMPATHETIC NERVOUS-SYSTEM & ON CICOSANOID & LEUKOTRIENE-BIOSYNTHESIS & FUNCTION. NEUROCHEMICAL CHARACTERIZATION OF EFFECTS ON CENTRAL NERVOUS-SYSTEM WITH FOCUS ON BIOGENIC AMINES.

CIGARETTE-SMOKE

SHEPHARD RJ : RESEARCH ON EFFECTS OF PASSIVE EXPOSURE TO CIGARETTE-SMOKE, OZONE & CARBON-MONOXIDE ON HUMAN PERFORMANCE.

SILVERMAN F : RESPIRATORY EFFECTS OF AIR-POLLUTION ON ASTHMATIC AND HEALTHY NON-ASTHMATICS: A) CONTROLLED HUMAN EXPOSURES IN AN ENVIRONMENTAL CHAMBER (OZONE, SULPHUR-DIOXIDE, CIGARETTE-SMOKE), B) DAILY VARIATIONS IN EXPOSURE (INDOOR, OUTDOOR AND PERSONAL MONITORING).

CLAMS

CLAMS

BOURNE N : BIOLOGICAL RESEARCH IN ESTUARINE ECOLOGY WITH EMPHASIS ON BIVALVE-MOLLUSCS. ASSESSMENT OF POPULATION-DYNAMICS OF BIVALVES FOR OPTIMUM MANAGEMENT OF RESOURCE. PRESENT RESEARCH MAINLY IN AQUACULTURE WITH EMPHASIS ON CULTURE OF OYSTERS, CLAMS AND SCALLOPS.

CLASSIFICATION

BARKER DJ : PRACTICAL APPLICATIONS OF ECOLOGICAL CLASSIFICATION. SILVICULTURE PLANNING AND IMPLEMENTATION, INCLUDING REFORESTATION, STAND-TENDING AND REHABILITATION. WOOD RELATED INVENTORIES: BIOMASS; SAWN AND PULP PRODUCTS; FUELWOOD. FOREST-MANAGEMENT PLANNING; TIMBER YIELD ANALYSIS BY COMPUTER.

BOUCHARD R : CARTOGRAPHIE DES PARAMETRES ENVIRONNEMENTAUX DE L' ELEVAGE DU PORC A PARTIR D'UN SYSTEME D' INFORMATION A REFERENCE SPATIALE. CLASSIFICATION GENETIQUE DES CLIMATS DU SAGUENAY, LAC-ST-JEAN. L' AGRICULTURE A SAINTE-CATHERINE DE PORTNEUF: POLLUTANT DES SOURCES D' EAU-POTABLE. LES DEPOTOIRS DE NEIGE USEE DE CHICOUTIMI.

JEGLUM JK : WETLAND AND PEATLAND CLASSIFICATION AND ECOLOGY; BLACK-SPRUCE REGENERATION; SILVICULTURE; VEGETATION AND FLORISTICS OF BOREAL-FORESTS; SUCCESSION AND DYNAMICS OF BOREAL-FORESTS.

MANKIEWICZ E : MICROBACTERIA: DIAGNOSIS OF INFECTIONS, TREATMENT, CLASSIFICATION OF MICROORGANISMS. PHAGETYPING FUNGI: DEEP MYCOTIC INFECTIONS. SEXUALLY-TRANSMITTED DISEASES: ORGANIZATION OF OUT PATIENT CLINICS, MICROBIOLOGICAL DIAGNOSIS, TREATMENT, PREVENTION (TEACHING).

NASH PHJ : ALTERNATIVE FUTURE ENVIRONMENTS. ADMINISTRATION & MANAGEMENT OF URBAN & REGIONAL PLANNING. THEORIES & METHODS OF APPLICATION OF GEOGRAPHIC THOUGHT. COMPARATIVE EPISTEMOLOGIES: TYPES, GOALS, CLASSIFICATION, CATEGORIES VIA COUNTRIES & SUBJECT MATTER. POLICY IMPLICATIONS OF AREAL STUDIES.

OSWALD ET : VEGETATION CLASSIFICATION AND MAPPING, PLANT ECOLOGY, FOREST RESOURCE ANALYSES AND ENVIRONMENTAL-IMPACT-ASSESSMENTS IN NORTH AND WEST CANADA. EXPERTISE IN VEGETATION CLASSIFICATION, SITE-ANALYSIS, PLANT-SUCCESSION, WETLANDS AND REMOTE-SENSING.

PENDERGAST BA : EVALUATION, CLASSIFICATION & MAPPING OF WILDLIFE HABITAT. DEVELOPMENT OF TECHNIQUES FOR AUTOMATED & MANUAL MAPPING PROCEDURES. DEVELOPMENT OF ECOLOGICAL DATA-COLLECTION TECHNIQUES.

PIMENTA JA : SAMPLING & ANALYSIS OF INDUSTRIAL & DOMESTIC WASTE & LANDFILL MATERIALS FOR HAZARDOUS INORGANIC COMPONENTS. WASTE CHARACTERIZATION & CLASSIFICATION FOR REGULATORY PURPOSES.

PROTZ R : SOIL GENESIS & CLASSIFICATION. SOIL FORMATION IN THE HUDSON & JAMES-BAY LOWLANDS. REMOTE-SENSING APPLICATIONS TO SOILS & AGRICULTURE. SOIL BIOLOGY & MICROPEDOLOGY.

SENYK JP : ECOSYSTEM IDENTIFICATION AND CHARACTERIZATION THROUGH REMOTE-SENSING AND GROUND-TRUTHING. EXPERTISE IN TERRAIN, SOIL CLASSIFICATION WITHIN AN ECOLOGICAL FRAMEWORK CONCENTRATING ON TEMPERATE COASTAL, CONTINENTAL AND SUBARCTIC ENVIRONMENTS.

SIBUL U : WASTE-SITE INVENTORY & EVALUATION STUDIES IN ONTARIO. WASTE-SITE CLASSIFICATION. ACTIVE & CLOSED WASTE-SITE PROBLEM IDENTIFICATION & STUDIES.

WINSTONE RW : ADMINISTER & MANAGE PROVINCIALLY OWNED CROWN LANDS IN MANITOBA INCLUDES LAND-USE CLASSIFICATION & ALL FORMS OF CONTRACTUAL USE OF LAND & MANAGEMENT PROGRAMS.

CLAY

BUNTING BT : MICROMORPHOLOGY OF SOILS, ESPECIALLY: BOREAL-FOREST HUMUS PROFILE; ARCTIC SOILS; SOLUTE-TRANSFER IN CLAY SOILS AND SOIL ACIDIFICATION.

DUDAS MJ : BIOGEOCHEMISTRY OF TRACE-ELEMENTS, HEAVY-METALS, RADIOISOTOPES IN SOILS, PLANTS & TERRESTRIAL SYSTEMS; CLAY MINERALOGY; RESEARCH ON FLY-ASH LEACHATES, TOXIC INORGANICS IN THE ENVIRONMENT & CYCLING OF NOXIOUS HEAVY-METALS.

QUIGLEY RM : MIGRATION OF SOLUBLE SALTS THROUGH CLAY BARRIERS BY DIFFUSION FIELD STUDIES. CLAY MINERALOGY AND SOIL-CHEMISTRY APPLIED TO ENGINEERING PROBLEMS OF SOIL AND ROCK; GEOTECHNICAL ENGINEERING.

ROWE RK : MODELLING CONTAMINANT MIGRATION THROUGH SOILS WITH PARTICULAR EMPHASIS ON CLAY LINERS. DEVELOPMENT OF TECHNIQUES FOR DETERMINATION OF APPROPRIATE SOIL LEACHATE PARAMETERS.

CLEANUP

ENVIRONMENTAL PROGRAMS : ENVIRONMENTAL-PROTECTION ENDEAVOURS TO ENSURE THAT THE FEDERAL GOVERNMENT CARRIES OUT ITS RESPONSIBILITIES FOR PROTECTION OF THE ENVIRONMENT IN A MANNER CONSISTENT WITH NATIONAL POLICY: PREVENTION, REDUCTION OR ELIMINATION OF ADVERSE ENVIRONMENTAL EFFECTS FROM NEW DEVELOPMENTS, RELEASES OF POLLUTANTS, OR THE USE OF HAZARDOUS-CHEMICALS & THE CLEANUP OF HARMFUL SUBSTANCES THAT ARE SPILLED.

GOODINGS WD : USE OF QUARRIES & LINERS FOR LANDFILLS, ENERGY FROM WASTE OPPORTUNITIES; PRIVATE SECTOR FINANCING & OPERATION OF WASTE-MANAGEMENT SYSTEMS; HAZARDOUS-WASTE CLEANUP; PUBLIC PARTICIPATION PROGRAMS FOR SITING CONTROVERSIAL FACILITIES (LANDFILLS, INCINERATORS, HIGHWAYS).

CLIFF-FACES

LARSON DW : ECOLOGY, MORPHOLOGY, ANATOMY & PHYSIOLOGY OF PLANTS THAT GROW ON ROCKS & CLIFF-FACES. OBJECTIVE: TO DISCOVER MECHANISMS THAT PERMIT SURVIVAL IN SUCH HOSTILE ENVIRONMENTS.

CLIMATE

GRAY DM : RESEARCH INTO HYDROLOGICAL PROBLEMS IMPORTANT TO COLD CLIMATE REGIONS & SEMI-ARID ENVIRONMENT. INTERESTS INCLUDE: HEAT & MASS TRANSFER IN FREEZING SOILS; SNOWMELT INFILTRATION & STREAMFLOW SIMULATION; WATER-USE.

GRIMA AP : WATER-DEMAND ESTIMATION, PARTICULARLY URBAN & RESIDENTIAL. ENERGY-CONSERVATION POLICIES. INSTITUTIONAL INSTRUMENTS FOR ENVIRONMENTAL-QUALITY. PUBLIC INVOLVEMENT IN ENVIRONMENTAL-IMPACT-ASSESSMENT, AND CLIMATE IMPACT-ASSESSMENT.

INSTITUTE FOR ENVIRONMENTAL STUDIE : ENVIRONMENTAL-MANAGEMENT INCLUDING ENVIRONMENTAL PERCEPTION, GREAT-LAKES ECOSYSTEMS REHABILITATION, CLIMATE IMPACT-ASSESSMENT IMPACT OF THIRD-WORLD URBANIZATION, RISK-ASSESSMENT, IMPACTS OF ACID-RAIN AND METALS ON BIOLOGICAL SYSTEMS, MODELLING PATHWAYS OF TOXIC SUBSTANCES, ENVIRONMENTAL-TOXICOLOGY.

LOUIE RH : BIOPHYSICAL SURVEYS (SOILS, SURFICIAL GEOLOGY, VEGETATION, WILDLIFE HABITAT, CLIMATE), LAND USE IN BRITISH-COLUMBIA & APPLICATIONS FOR AGRICULTURE, FORESTRY, WILDLIFE, WATER, FISH & OTHER LAND USE PLANNING, ASSESSMENT AND MONITORING. BASE MAP PRODUCTION (TOPOGRAPHIC, PLANIMETRIC AND CADASTRAL). REMOTE-SENSING.

MAGILL BL : DEVELOPMENT AND IMPLEMENTATION OF AN AIR-QUALITY AND CLIMATOLOGY RESEARCH PROGRAM. RESEARCH WILL BE DIRECTED TOWARDS AIR-QUALITY CONCERNS INVOLVING SOUR GAS FLARING, FUGITIVE AND UNCONTROLLED EMISSIONS FROM INDUSTRIAL SOURCES URBAN AIR-QUALITY AND CLIMATE CHANGE AND VARIABILITY.

ROUSE WR : INTERACTION OF CLIMATE & SEA ICE IN HUDSON & JAMES BAYS. MODELLING CLIMATIC, HYDROLOGIC & VEGETATIONAL RELATIONS IN THE COASTAL SALT MARSHES. PREDICTING THE ENVIRONMENTAL-IMPACT OF RIVER DAMS & DIVERSION & CLIMATIC MODIFICATION IN JAMES-BAY & HUDSON BAY.

SCHIFF H : MEASUREMENT OF ATMOSPHERIC GASES. ATMOSPHERIC-CHEMISTRY. OZONE DEPLETION. ACID-DEPOSITION. PHOTOCHEMICAL OXIDANTS & SMOG. GLOBAL CLIMATE INFLUENCED BY ATMOSPHERIC-CHEMISTRY.

SIMS MP : PROVINCIAL RESEARCH PROGRAMS ON ACID-DEPOSITION, AIR-QUALITY & CLIMATE, RECLAMATION, WATER-RESOURCES; WATER-TREATMENT & WASTE-MANAGEMENT, ENVIRONMENTAL CONTAMINANTS. INTERESTS IN RISK-ASSESSMENT, BIOTECHNOLOGY & LAND RESOURCE INVENTORY.

TERASMAE J : QUATERNARY GEOLOGY, PALYNOLOGY, PALEAECOLOGY, GEOCHRONOLOGY (RADIO-CARBON DATING), TREE-RING STUDIES; GEOCHEMISTRY, SEDIMENTOLOGY OF LAKE SEDIMENTS (PALEOLIMNOLOGY) & PEAT DEPOSITS FOR STRATIGRAPHIC-CORRELATION PALEOENVIRONMENTAL ANALYSIS (INCLUDING CLIMATE CHANGE, VEGETATION HISTORY & HUMAN ACTIVITIES).

TOWNSHEND AR : COLD CLIMATE NORTHERN & RURAL ENVIRONMENTAL ENGINEERING TECHNOLOGIES FOR THE PROTECTION OF THE ENVIRONMENT & QUALITY OF LIFE; TECHNOLOGIES FOR WATER SOURCE DEVELOPMENT & TREATMENT, WATER CONSERVATION, WASTEWATER-TREATMENT & DISPOSAL, SOLID-WASTE MANAGEMENT & ENERGY-CONSERVATION.

WARDLAW RL : THE EARTH'S SURFACE WIND IS SIMULATED IN LABORATORY WIND-TUNNELS FOR STUDYING URBAN WIND CLIMATE PROBLEMS AND THE EFFECT OF WIND ON BUILDINGS, BRIDGES, SURFACE VEHICLES AND OFFSHORE STRUCTURES.

YOUNG JWS : LRTAP, TOXIC-CHEMICALS, ENERGY, NORTH, GREAT-LAKES WATER-QUALITY, AIR-QUALITY, CLIMATE CHANGE, OXIDANTS. MAIN FOCUS IS THE ATMOSPHERIC PATHWAY PORTION OF THESE AREAS.

ZAMMUTO RM : RELATIONSHIPS AMONG VARYING ENVIRONMENTAL CONDITIONS AND LIFE-HISTORIES OF BIRD AND MAMMAL POPULATIONS IN MONTANE OR BOREAL AREAS. TERRESTRIAL-ECOLOGY, ZOOLOGY, SURVIVAL, WILDLIFE, NON-GAME, REPRODUCTION, ORNITHOLOGY, WEATHER, BIOMETEOROLOGY, BIOMETRICS, BOREAL, CLIMATE, CONSERVATION, METEOROLOGY, MAMMAL POPULATION.

CLIMATOLOGY

ISAAC GA : RESEARCH ON CLOUD PHYSICS, CLOUD CHEMISTRY, AEROSOL PHYSICS, ACID-RAIN, MESOSCALE METEOROLOGY, WEATHER RADAR, WEATHER MODIFICATION, CLOUD CLIMATOLOGY & AIRCRAFT METEOROLOGICAL INSTRUMENTATION.

LADOCHY S : SYNOPTIC CLIMATOLOGY, ESPECIALLY SEVERE WEATHER, AIR-POLLUTION METEOROLOGY, AND URBAN-CLIMATOLOGY.

MAGILL BL : DEVELOPMENT AND IMPLEMENTATION OF AN AIR-QUALITY AND CLIMATOLOGY RESEARCH PROGRAM. RESEARCH WILL BE DIRECTED TOWARDS AIR-QUALITY CONCERNS INVOLVING SOUR GAS FLARING, FUGITIVE AND UNCONTROLLED EMISSIONS FROM INDUSTRIAL SOURCES URBAN AIR-QUALITY AND CLIMATE CHANGE AND VARIABILITY.

SANDERSON ME : CLIMATOLOGY OF THE GREAT-LAKES BASIN. WATER BALANCE OF GREAT-LAKES. PRECIPITATION: QUANTITY AND QUALITY. (PRECIPITATION CHEMISTRY).

WALKER JI : AIR-QUALITY; METEOROLOGY; CLIMATOLOGY; ENVIRONMENTAL-IMPACT.

WHEATOON EE : APPLIED CLIMATOLOGY, ESPECIALLY IN AGRICULTURE; DUST STORMS & WIND EROSION. ENVIRONMENTAL-IMPACT-ASSESSMENTS DESCRIPTIVE CLIMATOLOGY, AIR-POLLUTION CLIMATOLOGY, CLIMATIC VARIATION AND CHANGE, ENERGY CLIMATOLOGY.

CLIMATS

BOUCHARD R : CARTOGRAPHIE DES PARAMETRES ENVIRONNEMENTAUX DE L' ELEVAGE DU PORC A PARTIR D'UN SYSTEME D' INFORMATION A REFERENCE SPATIALE. CLASSIFICATION GENETIQUE DES CLIMATS DU SAGUENAY, LAC-ST-JEAN. L' AGRICULTURE A SAINTE-CATHERINE DE PORTNEUF: POLLUTANT DES SOURCES D' EAU-POTABLE. LES DEPOTOIRS DE NEIGE USEE DE CHICOUTIMI.

CLONE

BARKLEY BA : DEVELOPMENT & TRANSFER OF TECHNIQUES TO SUCCESSFULLY ESTABLISH & MANAGE FAST-GROWING HARDWOODS: CLONE & SITE (SOIL TYPE) INTERACTION; SPACING EFFECTS; TECHNIQUES FOR SITE PREPARATION & FENDING; TREE IMPROVEMENT (DEVELOPMENT OF NEW CLONES); PROGENY & PROVENANCE TESTING & FERTILIZATION.

CLONING

PITEL JA : PHYSIOLOGY & BIOCHEMISTRY OF SEED GERMINATION, SEED DORMANCY & SEED STORAGE PROBLEMS OF FOREST TREE SPECIES. STUDIES ON DNA: STRUCTURE & FUNCTION OF ORGANELLAR & NUCLEAR DNA. DNA CLONING, SEQUENCING ETC.

CLOSTRIDIUM-ACETOBUTYLICUM

FORSBERG CW : CELLULOSE & HEMICELLULOSE DIGESTION BY RUMEN BACTERIA; PROTEIN DIGESTION BY RUMEN MICROORGANISMS. ACETONE & BUTANOL PRODUCTION FROM CELLULOSIC & HEMICELLULOSIC MATERIALS BY CLOSTRIDIUM-ACETOBUTYLICUM; GENETIC MANIPULATION OF RUMEN BACTERIA.

CLOUD

CHISHOLM AJ : MANAGEMENT OF RESEARCH IN STRATOSPHERIC POLLUTION, OZONE MONITORING, SOLAR ENERGY, WEATHER RADAR, CLOUD PRECIPITATION PHYSICS, CLOUD CHEMISTRY & ACID-FOG. HEAD, CANADIAN DELEGATION NEGOTIATING THE VIENNA CONVENTION FOR THE PROTECTION OF THE OZONE LAYER.

FORMAN RM : AERIAL-PHOTO INTERPRETATION: MILITARY PHOTO INTELLIGENCE; METEOROLOGICAL SATELLITE PHOTO INTERPRETATION: REPRODUCTION AND DISTRIBUTION OF WEATHER SATELLITE IMAGERY: FACSIMILE TRANSMISSION AND RECEPTION EQUIPMENTS: PUBLISHED A GUIDE TO THE INTERPRETATION OF SATELLITE CLOUD PHOTOS.

ISAAC GA : RESEARCH ON CLOUD PHYSICS, CLOUD CHEMISTRY, AEROSOL PHYSICS, ACID-RAIN, MESOSCALE METEOROLOGY, WEATHER RADAR, WEATHER MODIFICATION, CLOUD CLIMATOLOGY & AIRCRAFT METEOROLOGICAL INSTRUMENTATION.

MAYBANK J : RESEARCH IN CLOUD PHYSICS, INCLUDING WEATHER MODIFICATION AND IMPACT-ASSESSMENT FOR AGRICULTURE; AEROSOL AND SPRAY DROPLET DISSEMINATION, ESPECIALLY RELATED TO PESTICIDE SPRAY APPLICATION AND SPRAY DRIFT; AGROCLIMATOLOGY AND AIR-POLLUTION.

MELO OT : AEROSOL SCIENCE. NUCLEPORE-FILTER TECHNIQUE. PLUME CHEMISTRY RESEARCH. STUDIES OF CLOUD PHYSICS AND CHEMISTRY ASPECTS OF ACID-RAIN.

COAL

ABOUGUENDIA Z : REVEGETATION STUDIES OF LAND DISTURBED BY MINING ACTIVITIES (E.G. URANIUM TAILINGS, COAL SPOILS). ECOLOGICAL BASELINE STUDIES AND ENVIRONMENTAL-IMPACT-ASSESSMENT. RANGE ECOLOGY & PRODUCTIVITY. RESPONSE OF PLANTS TO AIRBORNE POLLUTANTS.

BINGHAM DK : MONITORING OF INDUCED SEISMICITY IN THE AREAS OF HEAVY OIL EXTRACTION, ABANDONED COAL MINE (TURTLE-MOUNTAIN) & RESERVOIR (OLDMAN RIVER).

DEVELOPMENT & RECLAMATION REVIEW : REGULATORY AGENCY: APPROVAL OF RECLAMATION PROGRAMS FOR COAL & OIL-SANDS PROJECTS.

FRIEDRICH FD : PILOT SCALE RESEARCH & FULL SCALE DEMONSTRATION ON ATMOSPHERIC FLUIDIZED BED COMBUSTION TO UTILIZE HIGH ASH, HIGH SULPHUR FUELS (COAL, REFINING RESIDUES) FOR INDUSTRIAL STEAM OR THERMAL POWER.

HANSEN KJ : WASTE-MANAGEMENT RELATED TO FLUE-GAS DESULPHURIZATION AND AIR-POLLUTION FROM COAL FIRE THERMAL ELECTRICAL POWER STATIONS.

KEFFER JF : RESEARCH IN FLUID MECHANICS, HYDRAULICS & TURBULENCE; NATURAL & INDUSTRIAL SITUATIONS. DISPERSION, DIFFUSION, MIXING, METEOROLOGICAL SITUATIONS WITHIN PLANETARY BOUNDARY LAYER. EXPERIMENTAL (LAB & FIELD STUDIES), NUMERICAL MODELLING, WIND EROSION OF MINE-TAILINGS, COAL PILES ETC.

LEE GK : COMBUSTION OF LOW-GRADE FUELS IN INDUSTRIAL & UTILITY BOILERS USING LOW POLLUTING TECHNOLOGIES SUCH AS STAGED PULVERIZED COAL BURNERS, FLUIDIZED-BED COMBUSTORS AND COAL & LIQUID MIXTURES.

MOON KS : SURFACE CHEMISTRY IN WASTEWATER CLEANING, DESULPHURIZATION OF COAL, MINERAL PROCESSING, FLOCCULATION, FILTRATION, DEWATERING, SETTLING AND DRYING; CRYSTAL CHEMISTRY IN SURFACTANT ADSORPTION AND DESORPTION; AND VARIOUS SOLUTION CHEMISTRY OF ORGANICS AND INORGANIC MATERIALS.

COAL

WELCH W : PLANT ECOLOGY, WETLAND FOREST SUCCESSION, PLANT SUCCESSION FOLLOWING RIGHT OF WAY CONSTRUCTION, VEGETATION MANAGEMENT ON ELECTRICAL TRANSMISSION RIGHTS OF WAY, VEGETATION INVENTORIES, COAL FLY-ASH RECLAMATION AND EROSION CONTROL.

COALS

LAST AJ : SPECIAL PROCESS ENERGY APPLICATIONS AND RESEARCH SUCH AS HIGH POWER ULTRASOUND, MICROWAVE, ULTRAVIOLET AND INFRA-RED LIGHT; EMULSIONS, EMULSIFICATION PROCESSES AND EMULSIFIERS; ALSO LIQUID FLOW PROCESSING; IRON ORE BENEFICIATION AND DIRECT REDUCTION OF IRON ORE; POWDER METALLURGY; COMBUSTION AND FUELS IN METALLURGICAL PROCESSING; GASIFICATION AND LIQUEFACTION OF COALS AND BOTH FERROUS AND NON-FERROUS PYROMETALLURGY.

COASTAL

CAMERON BW : COASTAL GEOLOGY. RESEARCH ON THE ORIGIN AND DEVELOPMENT OF BARRIER ISLANDS AND ASSOCIATED BEACH, DUNEFIELD, MARSH AND SPIT SUB-ENVIRONMENTS.
COAKLEY JP : POST-PLEISTOCENE AND MODERN EVOLUTION OF THE COASTAL ZONE, INCLUDING THE EFFECTS OF NATURAL AND MAN-INDUCED PROCESSES. BEACH AND SHORELINE COVERS IN THE FACE OF INDUSTRIAL AND RECREATIONAL DEVELOPMENT OF THE COASTAL ZONE.
DICK TM : HYDRAULICS RESEARCH RELATED TO THE ENVIRONMENT: RIVER MECHANICS, DISPERSION SEDIMENT TRANSPORT, RIVER ICE, AIR, WATER INTERACTIONS, WAVE GENERATION, COASTAL ENGINEERING, SEDIMENTOLOGY, URBAN WATER-RESOURCES.
GRAHAM R : MARINE CONSERVATION, PARKS & PROTECTED AREAS. VISITOR MANAGEMENT, INTERPRETATION VISITOR SERVICES, PUBLIC SAFETY, EDUCATION IN MARINE AQUATIC PARKS & COASTAL AREAS.
HANSON AJ : FISHERIES COASTAL ZONE AND OCEAN MANAGEMENT. RESOURCE ECOLOGY AND DEVELOPMENT. FOREST BIOMASS FOR ENERGY. INTERNATIONAL DEVELOPMENT AND THE ENVIRONMENT WITH EXPERTISE IN SOUTHEAST ASIA AND CARIBBEAN.
LAKSHMINARAYANA JSS : BIOLOGICAL LIMNOLOGY & OCEANOGRAPHY; POLLUTION, WATER-QUALITY, ALGAE, PHYTOPLANKTON, PRODUCTIVITY. TEACHING, SCIENTIFIC RESEARCH & DEVELOPMENT: COASTAL, MARINE & FRESHWATER ENVIRONMENT.
PALMER MD : WATER-QUALITY STUDIES AND PREDICTION MODELLING; BEACH BACTERIA CONTAMINANT MANAGEMENT STUDIES; OUTFALL AND INTAKE STUDIES AND DESIGN; DISPERSION AND TRANSPORT IN COASTAL REGIONS; HAZARDOUS-CHEMICALS MIXING ZONE PREDICTIONS AND RISK-ASSESSMENT; WATER-QUALITY MANAGEMENT PLANNING MODELS.
PRAKASH A : MARINE POLLUTION, COASTAL ZONE MANAGEMENT, COASTAL AQUACULTURE, SHELLFISH, MARINE PRODUCTIVITY, RED-TIDES, SHELLFISH POISONING, ENVIRONMENTAL-QUALITY, ECOLOGY, ENVIRONMENTAL-IMPACT-ASSESSMENT MARINE PHYTOPLANKTON, TOXICITY, PHYSIOLOGY, DINOFLAGELLATES.
ROUSE WR : INTERACTION OF CLIMATE & SEA ICE IN HUDSON & JAMES BAYS. MODELLING CLIMATIC, HYDROLOGIC & VEGETATIONAL RELATIONS IN THE COASTAL SALT MARSHES. PREDICTING THE ENVIRONMENTAL-IMPACT OF RIVER DAMS & DIVERSION & CLIMATIC MODIFICATION IN JAMES-BAY & HUDSON BAY.
SANDILANDS RW : FIELD SURVEYS: OPERATIONS IN BRITISH-COLUMBIA COAST, WESTERN ARCTIC. MARITIME HISTORY: BRITISH-COLUMBIA, WESTERN ARCTIC & GREAT-LAKES. TOPONOMY IN COASTAL BRITISH-COLUMBIA. NATURAL-RESOURCE CHARTING; SURVEY POSITIONING; OFFSHORE MINERAL RESOURCE DEVELOPMENT.
SENYK JP : ECOSYSTEM IDENTIFICATION AND CHARACTERIZATION THROUGH REMOTE-SENSING AND GROUND-TRUTHING. EXPERTISE IN TERRAIN, SOIL CLASSIFICATION WITHIN AN ECOLOGICAL FRAMEWORK CONCENTRATING ON TEMPERATE COASTAL, CONTINENTAL AND SUBARCTIC ENVIRONMENTS.
STOCKNER JG : RESEARCH ON TROPHO-DYNAMICS OF LAKES AND COASTAL MARINE WATERS OF BRITISH-COLUMBIA, SPECIALIZING IN AUTOTROPHIC PRODUCTION AND NUTRIENT DYNAMICS.
VANDERMEULEN JH : RESEARCH: PHYSIOLOGICAL & BIOCHEMICAL, POLLUTION STRESS IN AQUATIC ORGANISMS PRIMARILY FROM PETROLEUM HYDROCARBONS. PHYSICAL & CHEMICAL, FATE & DISPOSITION OF PETROLEUM HYDROCARBONS IN COASTAL SEDIMENTS. COASTAL ZONE POLLUTION & MANAGEMENT.
WELLS PG : COORDINATION OF MARINE ENVIRONMENTAL QUALITY ISSUE. IDENTIFICATION OF PRIORITY AREAS FOR MARINE POLLUTION RESEARCH & ASSESSMENT FOR LAND BASED POLLUTANTS. MARINE ECOTOXICOLOGY: PRINCIPLES, PRACTISE & RELATIONSHIP TO MARINE COASTAL MANAGEMENT & POLLUTION-CONTROL. BIOLOGICAL TECHNIQUES FOR EFFECTS MONITORING.

COASTLINE

SEGUIN MK : COASTLINE PERMAFROST GEOPHYSICS & GEOMORPHOLOGY. SURFACE GEOMORPHOLOGY. SUBSURFACE & SURFACE GEOPHYSICS ARE USED TO DETERMINE HORIZONTAL & VERTICAL EXTENTS OF DISCONTINUOUS PERMAFROST, PHYSICAL PROPERTIES IN SITU & THE EVOLUTION OF PERMAFROST WITH TIME.

COLD-HARDINESS

TURNOCK WJ : POPULATION-DYNAMICS OF INSECTS. NATURAL & BIOLOGICAL CONTROL OF INSECTS. COLD-HARDINESS & OVERWINTERING OF INSECTS. SAMPLING INSECT POPULATIONS.

COLDWATER

MACCRIMMON HR : RESEARCH LIES WITHIN AREA OF FISHERIES SCIENCE & MANAGEMENT; LIMNOLOGY & ENVIRONMENTAL-QUALITY, ESPECIALLY WARMWATER & COLDWATER AQUACULTURE & FISH BIOLOGY, ECOLOGY, & ZOOGEOGRAPHY.

COLIPHAGE

DUTKA BJ : MICROBIAL METHODOLOGY, MICROBIAL TOXICITY SCREENING TESTS, LEGIONELLA IN WATER, COLIPHAGE ENUMERATION, WATER-QUALITY ESTIMATION, BACTERIAL POLLUTION OF WATERS, MICROBIAL POPULATION ESTIMATES; WATER, POTABLE-WATER, SEDIMENT WATER QUALITY STANDARDS.

COMMINUTION

NORTH H : REDUCTION OF THERMAL & CHEMICAL POLLUTION; LOW FREQUENCY CAVITATION PROCESSING; RESONANCE GRINDING COMMINUTION.

COMMUNAUTES

DESGRANGES JL : ETUDES ECOLOGIQUES SUR LA PLUPART DES GROUPES D' OISEAUX DU CANADA. STRUCTURE DES COMMUNAUTES. SELECTION DE L' HABITAT. EFFETS DES PLUIES-ACIDES SUR LES OISEAUX LACUSTRES ET FORESTIERS.

COMMUNITIES

ISAACS CFW : THE POLLUTION-PROBE FOUNDATION IS COMMITTED TO DEVELOPING AND MAINTAINING AN AWARENESS OF ENVIRONMENTAL ISSUES AT ALL LEVELS OF CANADIAN SOCIETY AND THROUGH RESEARCH AND REASONED DEBATE. ENCOURAGING INDIVIDUALS, CORPORATIONS, COMMUNITIES AND GOVERNMENT TO ADOPT PRAGMATIC SOLUTIONS TO PRESSING ENVIRONMENTAL PROBLEMS FACING OUR COUNTRY.

LEVINGS CD : ESTUARINE ECOLOGY OF BENTHOS & FISH. PHYSICAL IMPACTS ON WETLANDS SUPPORTING FISHERIES RESOURCES. RIVER ECOLOGY & EFFECTS OF BANKSIDE & RIPARIAN HABITAT DISRUPTION. BENTHIC ECOLOGY & COMMUNITIES IN FIORDS. ESTUARINE & RIVERINE HABITAT RESTORATION.

NAISH VA : ENVIRONMENTAL-IMPACT-ASSESSMENT PARTICULARLY RELATED TO TOXICITY AND TAINTING OF AQUATIC COMMUNITIES AND TASTE OR ODOUR OF RECEIVING WATERS.

PETERS RH : STUDIES OF GENERAL PATTERNS IN ECOLOGY & LIMNOLOGY; ESPECIALLY ALLOMETRY & EUTROPHICATION RESEARCH. GOAL IS TO PREDICT & DESCRIBE PRODUCTIVITY, ENERGY & MATERIAL FLOW IN AQUATIC & OTHER COMMUNITIES. TREATING FILTER FEEDING BY ZOOPLANKTON & ANALYSIS OF LITERATURE DATA. CRITICAL ANALYSIS OF ECOLOGICAL CONCENTRATION.

COMMUNITY

CHRISTIE WJ : FISH POPULATION-DYNAMICS. EFFECTS OF WEATHER, SEA LAMPREY, OVER-FISHING ON YIELDS FROM ECONOMICALLY IMPORTANT LAKE ONTARIO FISH-STOCKS. FISH COMMUNITY DYNAMICS; ANALYSIS OF HISTORICAL TRENDS IN LAKE ONTARIO; IDENTIFICATION OF STRESS EFFECTS. ECOSYSTEM STUDIES. STRATEGIC FISHING MANAGEMENT PLANNING.

CRIPPEN RW : MARINE & ESTUARINE BENTHOS, ESPECIALLY POLYCHAETES, THEIR SYSTEMATICS & TAXONOMY, COMMUNITY STRUCTURE & INTERACTION WITH ENVIRONMENTAL CONDITIONS, BOTH NATURAL & MAN INFLUENCED.

FARLEY DW : MATHEMATICAL-MODELLING FOR RESOLUTION OF WATER-MANAGEMENT PROBLEMS INCLUDING QUANTITY & QUALITY ASPECTS. PROVISION OF SERVICES IN MODELLING TO ALL FEDERAL & PROVINCIAL WATER BOARDS & COMMITTEES & TO REGIONAL OFFICES. MANAGER ON-LINE BIBLIOGRAPHIC REFERENCE SERVICES TO CANADIAN WATER-RESOURCES COMMUNITY.

HUGHES CJ : A GEOLOGIST'S PERSPECTIVE OF THE HUMAN PREDICAMENT (BOOK). ISSUES ADDRESSED INCLUDE: THE EFFECT OF RESEARCH AND TECHNOLOGY ON THE ENVIRONMENT; SOCIAL RESPONSIBILITY OF THE SCIENTIFIC COMMUNITY, NUCLEAR ENERGY AND THE MANAGEMENT OF OUR NATURAL-RESOURCES.

KEDDY PA : ENVIRONMENTAL FACTORS REGULATING SPECIES COMPOSITION IN WETLANDS VEGETATION. HUMAN IMPACTS ON WETLAND VEGETATION. STATUS OF RARE AND OR ENDANGERED-PLANTS (WETLANDS). TECHNIQUES EMPHASIZE EXPERIMENTS CONDUCTED UNDER FIELD CONDITIONS - ' EXPERIMENTAL COMMUNITY ECOLOGY'.

MINNS CK : MODELLING & STATISTICAL-ANALYSIS OF FISHERIES & ENVIRONMENTAL PROBLEMS INCLUDING COMMUNITY DYNAMICS, EUTROPHICATION, ACIDIFICATION AND CONTAMINANTS.

MORAN EJ : HEALTH RISK-ASSESSMENT. COMMUNITY HEALTH MONITORING. CONSENSUS PANELS ON MEDICAL ASPECTS OF ENVIRONMENTAL PROBLEMS. ROLE OF THE PHYSICIAN IN ENVIRONMENTAL MATTERS. PROFESSIONAL EDUCATION.

RYDER RA : STUDY OF AQUATIC-ECOSYSTEMS, THEIR PRODUCTIVITY AND THEIR FISHERIES. COMMUNITY PRODUCTION AND INTERACTIONS AMONG COMMUNITY COMPONENTS IN FRESHWATER SYSTEMS. BIOTIC INDICES OF ECOSYSTEM QUALITY.

COMPACTION

COOTE DR : SOIL-DEGRADATION, DRAINAGE, EROSION, COMPACTION AND THEIR EFFECTS ON THE AGRICULTURAL ENVIRONMENT; EFFECT OF ACID-RAIN ON AGRICULTURAL SOILS AND MANAGEMENT SYSTEMS.

COMPOSES-ORGANIQUES-VOLATILS

PAULIN G : INVENTAIRE DE DOXINES & FURANNES, EFFETS SUR LA SANTE, INVENTAIRE SUR LES COMPOSES-ORGANIQUES-VOLATILS; ETUDES SUR LES HYDROCARBURES-POLYNUCLEAIRES-AROMATIQUES, ETUDES SUR LE BRUIT-COMMUNAUTAIRE, EVOLUTION DE LA QUALITE DE L' AIR AU QUEBEC, EFFET DU CHAUFFAGE-AU-BOIS.

COMPOST

ROMANO LS : CHEMICAL ENGINEERING. MINING AND COMBUSTION CONTROL; HEAVY CHEMICAL INDUSTRY TECHNICAL DEVELOPMENT MANAGEMENT. SEWAGE AND WASTE CONTROL EXPERIENCE. FIRST CHEMICAL-PHYSICAL S.T.P. AND AERATED COMPOST FACILITY IN CANADA.

COMPOSTS

VISSER SA : EFFECTS OF MANURES, COMPOSTS & HUMIC-SUBSTANCES ON SOIL MICROFLORA, HIGHER PLANTS, SOIL PROPERTIES & ON POLLUTION OF NATURAL WATERS.
WARMAN PR : SOIL-FERTILITY & CONSERVATION THROUGH ORGANIC AMENDMENTS (ANIMAL & GREEN MANURES, COMPOSTS, SEWAGE SLUDGE); MINE-TAILINGS & LAND RECLAMATION; SOIL & PLANT RELATIONSHIPS IN CONSERVATION & RECLAMATION.

COMPUTER

AIKEN SG : AQUATIC PLANTS IN CANADA (WILD-RICE, ZIZANIA & WATER MILFOIL, MYRIOPHYLLUM) GRASSES, ESPECIALLY FESTUCA, IN NORTH AMERICA. COMPUTER GENERATION OF TAXONOMIC KEYS & DESCRIPTIONS IN FRENCH & ENGLISH. BEGINNING WORK ON THE FLORA OF THE CANADIAN HIGH ARCTIC ISLANDS.
BARKER DJ : PRACTICAL APPLICATIONS OF ECOLOGICAL CLASSIFICATION. SILVICULTURE PLANNING AND IMPLEMENTATION, INCLUDING REFORESTATION, STAND-TENDING AND REHABILITATION. WOOD RELATED INVENTORIES: BIOMASS; SAWN AND PULP PRODUCTS; FUELWOOD. FOREST-MANAGEMENT PLANNING; TIMBER YIELD ANALYSIS BY COMPUTER.
BARNARD JW : DEVELOPMENT OF COMPUTER MODELS OF THE BIOSPHERE TO ASSIST IN ENVIRONMENTAL & SAFETY ASSESSMENT OF RADIOTOXIC & CHEMICALLY TOXIC-WASTE DISPOSAL. PATHWAYS ANALYSES. IMPACT STATEMENTS & ENVIRONMENTAL SCREENING DOCUMENTS FOR WASTE STORAGE & DISPOSAL. LICENSING OF NEW FACILITIES.
BARRIE LA : ATMOSPHERIC CYCLE OF TRACE CONSTITUENTS. STUDY OF ACID-RAIN PHENOMENA ON A REGIONAL SCALE & ARCTIC AIR POLLUTION ON AN HEMISPHERIC SCALE. COMPUTER MODEL OF ARCTIC AIR-POLLUTION USED TO INVESTIGATE COMPLEX INTERACTIONS OF TRANSPORT, TRANSFORMATION & REMOVAL. ROUTINE AEROSOL SCIENCE MEASUREMENTS ARE MADE IN THE CANADIAN ARCTIC. RELATIONSHIP BETWEEN AIR & PRECIPITATION TRACE ELEMENTAL COMPOSITION & POLLUTANT ORIGIN UNDER INVESTIGATION.
CASE JW : AIR-POLLUTION & ACID-PRECIPITATION BIOMONITORING; ENVIRONMENTAL-CONTAMINATION MONITORING PROGRAM DESIGN & IMPLEMENTATION; GEOBOTANICAL-PROSPECTING; MICRO COMPUTER APPLICATIONS FOR DATA COLLECTION, STATISTICAL-ANALYSIS, INFORMATION PRESENTATION & REDUCTION.
CHIENG S : DRAINAGE, IRRIGATION, LAND & WATER-RESOURCES MANAGEMENT. HYDROLOGY & COMPUTER APPLICATION TO AGRICULTURAL ENGINEERING. EXPERIENCE IN CANADA, USA, CHINA, MALAYSIA, TAIWAN.
CLODMAN S : SHORT-RANGE COMPUTER WEATHER FORECASTING METHODS, ESPECIALLY PATTERN-RECOGNITION TECHNIQUES. MESOSCALE (INERTIO-GRAVITY) WAVES OF THE TROPOSPHERE. FORECASTING WIND-DRIVEN OCEAN AND LAKE SURFACE WAVES.
CORBETT MJ : LIBRARY SERVICES BRANCH HOUSES A COLLECTION OF DOCUMENTARY AND PERIODICAL LITERATURE DEALING WITH ALL ASPECTS OF THE ENVIRONMENTAL SCIENCES AND WATER-RESOURCES ADMINISTRATION. THE EMPHASIS OF THE COLLECTION IS ON ALBERTA, BUT IS NOT RESTRICTED TO THE PROVINCE. ACCESS TO THE COLLECTION IS AVAILABLE ONLINE VIA THE UNIVERSITY OF ALBERTA SPIRES COMPUTER SYSTEM.
DAVIS E : BIOLOGICAL WASTE-TREATMENT FOR DOMESTIC AND INDUSTRIAL APPLICATIONS. PREVENTION OR REDUCTION OF TOTAL TRIHALOMETHANES BY MEANS APPLICABLE TO UNSOPHISTICATED WATER-TREATMENT PLANTS. ENVIRONMENTAL-IMPACT-ASSESSMENT TECHNIQUES MICRO COMPUTER BASED.
DENMAN EW : AIR & WATER-POLLUTION; SOLID-WASTE MANAGEMENT; INDUSTRIAL-HYGIENE; COMPUTER APPLICATIONS; CHEMICAL ENGINEERING.
EATON RM : LORAN-NAVIGATION; CALIBRATION FOR ACCURATE LATTICE DRAWING AND POSITION CALCULATION. NAVSTAR GPS; CONTRACT SUPERVISION FOR INVESTIGATIONS IN POSITIONING ACCURACY AND SPECIAL MODIFICATIONS FOR HYDROGRAPHIC SURVEYING. ELECTRONIC CHART DISPLAY; INVESTIGATIONS IN TECHNICAL AND ORGANIZATIONAL ASPECTS OF SAFER NAVIGATION THROUGH COMPUTER GENERATED CHART DISPLAYS, WITH EMPHASIS ON PREPARING THE HYDROGRAPHIC DATA-BASE.

COMPUTER

HOLFORD RW : DEVELOPMENT OF INSTRUMENTS FOR AIR-MONITORING FOR RADIO-IODINES. COMPUTER PROCESSING OF PERSONAL DOSIMETRIC & ENVIRONMENTAL DATA.
PILON PJ : STATISTICAL MODELLING, PHYSICAL (CONCEPTUAL) MODELLING, DATA SCREENING, FLOOD FREQUENCY ANALYSIS, MICRO COMPUTER USER-FRIENDLY PROGRAMMING, REGRESSION ANALYSIS, FILLING-IN MISSING HYDROMETRIQUE RECORDS.
ROBERTSON DG : CONVERSION, ANALYSIS & DISPLAY OF COMPUTER FILES OF A VARIETY OF PHYSICAL LIMNOLOGY PARAMETERS.
SANDEMAN EJ : STOCK-ASSESSMENTS AND RELATED RESEARCH ON FISH OF GENUS SEBASTES, SHRIMP (PANDALUS SP.) AND CRABS (CHIONOCETES OPILIO). EXPERTISE IN MANAGEMENT OF RESEARCH AND DEVELOPMENT PROJECTS AND FISHERIES MANAGEMENT POLICY DEVELOPMENT. INTEREST IN COMPUTER BASED DATA-ACQUISITION METHODOLOGY.
SHEPPARD MI : SOIL MIGRATION & PLANT UPTAKE OF CHEMICAL & RADIOACTIVE-WASTES. COMPUTER MODELLING TO PREDICT SOIL RESIDENCE TIMES & LEACH RATES. PHYSICAL, CHEMICAL, THERMAL & RADIOLOGICAL CHARACTERIZATION OF SOILS.

COMPUTER-MODELLING

HAANA E : COMPUTER-MODELLING OF HAZARDOUS-WASTE, ACID-RAIN, WOOD ENERGY AND FISHERIES FOR POLICY AND DECISION ANALYSIS. DESIGN AND IMPLEMENTATION OF RESOURCE AND ENVIRONMENTAL MANAGEMENT PLANS AND REHABILITATION MEASURES. DEVELOPMENT OF ENVIRONMENTAL ANALYSIS METHODOLOGIES AND INFORMATION-SYSTEMS. BIOPHYSICAL INVENTORIES AND DATA-ANALYSIS FOR BACKGROUND TO PLANNING INITIATIVES.
JAMES W : URBAN HYDROLOGY, STORMWATER MANAGEMENT, FIELD INSTRUMENTATION, COMPUTER-MODELLING, STORM MODELS WATER-QUALITY MODELLING.
KERR DC : ENVIRONMENTAL-IMPACT-ASSESSMENT ON AQUATIC & TERRESTRIAL ENVIRONMENTS; WATER-QUALITY ASSESSMENT; WETLAND PRESERVATION. WATER-QUALITY INSTREAM COMPUTER-MODELLING; HYDRODYNAMIC-MODELLING; ENVIRONMENTAL-PLANNING & RESOURCE-MANAGEMENT.

COMPUTER-SIMULATION

KIMMINS JP : ENVIRONMENTAL-IMPACT OF FOREST-MANAGEMENT. FOREST ECOSYSTEM FUNCTIONS, BIOMASS AND NUTRIENT-CYCLING, PRODUCTIVITY. COMPUTER-SIMULATION MODELLING OF LONG-TERM IMPACTS OF INTENSIVE FOREST-MANAGEMENT ON YIELD AND SITE FERTILITY - FORCYTE.
MARSALEK J : CHARACTERIZATION OF CONTRIBUTIONS OF URBAN LAND RUNOFF TO THE POLLUTION OF RECEIVING WATERS, FIELD AND COMPUTER-SIMULATION STUDIES OF SUCH CONTRIBUTIONS.

CONIFEROUS

SAFRANYIK L : CONDUCT STUDIES OF THE MANAGEMENT & POPULATION-DYNAMICS OF DESTRUCTIVE BARK BEETLES IN CONIFEROUS FORESTS. DEVELOP TECHNIQUES & MANAGEMENT GUIDELINES FOR PREVENTING & REDUCING LOSSES FROM DESTRUCTIVE BARK BEETLES.
WHITNEY HS : EVALUATION OF ENTOMOPATHOGERIC FUNGI FOR INSECT-CONTROL IN CONIFEROUS FORESTS.
WHITNEY RD : DAMAGE-APPRAISAL, CAUSAL FUNGI SITE RELATIONSHIPS OF ROOT DISEASES OF CONIFEROUS TREES. CANADIAN ECTOMYCORRHIZAE. PATHOGENICITY OF POLYPORUS-TOMENTOSUS. ACID-RAIN: DISEASE RELATIONSHIPS IN CONIFERS.
WOTTON DL : LEAD: DEPOSITION & ACCUMULATION IN URBAN SOILS, SMELTER EMISSIONS, EXHAUST, PAINT RESIDUES. FOREST: EFFECTS FROM MINING SMELTERS ON VEGETATION & SOIL, NORTHERN BOREAL-FOREST ECOSYSTEMS, CONIFEROUS REGENERATION IMPACTS FROM HEAVY-METAL CONTAMINATED SOILS. SOIL & GEOLOGY SENSITIVITY MAPPING FOR ACID-RAIN. HERBICIDES.

CONIFERS

SWAN EP : RESEARCH IN THE CHEMISTRY OF EXTRACTIVES FROM WOOD, BARK, AND FOLIAGE FROM WESTERN CONIFERS. APPLICATIONS TO COMMERCIAL PROCESSES SUCH AS SPECIES IDENTIFICATION.
WHITNEY NJ : MARINE FUNGI: TAXONOMY; METABOLIC PRODUCTS FROM INTERFERENCE COMPETITION; FUNGAL ECOLOGY IN THE MARINE-ENVIRONMENT; ANTIBIOTIC-COMPOUNDS FROM MARINE FUNGI; FUNGAL DISEASES OF FISH. FOREST FUNGI: EPIPHYTIC & ENDOPHYTIC FUNGAL METABOLITES TOXIC TO SPRUCE-BUDWORM. PLANT PATHOLOGY: NEEDLE-CASTS OF CONIFERS.
WHITNEY RD : DAMAGE-APPRAISAL, CAUSAL FUNGI SITE RELATIONSHIPS OF ROOT DISEASES OF CONIFEROUS TREES. CANADIAN ECTOMYCORRHIZAE. PATHOGENICITY OF POLYPORUS-TOMENTOSUS. ACID-RAIN: DISEASE RELATIONSHIPS IN CONIFERS.
YEATMAN CW : PROJECT LEADER OF TREE GENETICS AND BREEDING RESEARCH IN BOREAL CONIFERS. RESEARCH IN GENECOLOGY AND GENETIC IMPROVEMENT OF PINUS-BANKSIANA. ACTIVIST IN PROMOTING CONSERVATION OF FOREST GENETIC RESOURCES WORLD-WIDE.

CONSERVATION

CONSERVATION

ACHUFF PL : RESEARCH & INVENTORY STUDIES IN PLANT ECOLOGY VEGETATION DESCRIPTION & ANALYSIS; NATURAL RESOURCE INVENTORY AND MONITORING. CONSERVATION ECOLOGY & MANAGEMENT; PARKS, ECOLOGICAL RESERVES & NATURAL AREAS.

BLAIR N : RESEARCH ASSOCIATE. PROVINCIAL CONSERVATION STRATEGY, NOVA-SCOTIA, INCLUDING PARTICIPATORY ACTION RESEARCH WITH NONGOVERNMENTAL AND GOVERNMENTAL GROUPS, PUBLIC EDUCATION. STUDIES IN FUELWOOD SUPPLY, MARKETING AND DISTRIBUTION IN NOVA-SCOTIA FORESTRY STUDIES: SOCIOLOGICAL, POLICY AND BUSINESS. PROJECT OFFICER IN TRAINING INDONESIANS IN ENVIRONMENTAL SKILLS EG. ENVIRONMENTAL-LAW, ENVIRONMENTAL-IMPACT-ASSESSMENT, ETC.

BRYANT CR : RURAL DEVELOPMENT AND RURAL LAND-USE MANAGEMENT, ESPECIALLY IN RELATION TO AGRICULTURE AND RELATIONSHIPS WITH URBAN SYSTEMS. RURAL INFORMATION-SYSTEMS. RURAL DEVELOPMENT WITHIN REGIONAL DEVELOPMENT. RURAL RESOURCE CONSERVATION.

DE KIMPLE CR : CHARACTERIZATION OF PHYSICAL, CHEMICAL & MINERALOGICAL PROPERTIES OF SOILS IN RELATION TO POTENTIAL FERTILITY & CROP PRODUCTION. FIELD WORK WITH ORGANIC AMENDMENTS TO TEST METHODS OF SOIL CONSERVATION & IMPROVEMENT.

FEDERATION OF B C NATURALISTS : PROVIDE NATURALISTS AND NATURAL HISTORY CLUBS OF BRITISH-COLUMBIA WITH A UNIFIED VOICE ON CONSERVATION AND ENVIRONMENTAL ISSUES. FOSTER AN AWARENESS, APPRECIATION AND UNDERSTANDING OF OUR NATURAL ENVIRONMENT THAT IT MAY BE WISELY USED AND MAINTAINED FOR FUTURE GENERATIONS, AND ENCOURAGE THE FORMATION AND COOPERATION OF NATURAL HISTORY CLUBS THROUGHOUT BRITISH-COLUMBIA.

FREEMAN MMR : ENVIRONMENT & DEVELOPMENT ISSUES, ESPECIALLY RELATING TO PUBLIC ENVIRONMENTAL POLICY ANALYSIS. CONSERVATION SUSTAINABLE UTILIZATION OF RENEWABLE RESOURCES, TRADITIONAL INDIGENOUS SYSTEMS OF MANAGEMENT & CO-MANAGEMENT SYSTEMS. GEOGRAPHIC FOCUS IS NORTHERN AREAS (CANADA & ALASKA).

GRAHAM R : MARINE CONSERVATION, PARKS & PROTECTED AREAS. VISITOR MANAGEMENT, INTERPRETATION VISITOR SERVICES, PUBLIC SAFETY, EDUCATION IN MARINE AQUATIC PARKS & COASTAL AREAS.

GRIFFIN DF : CANDIDATE NATURAL AREAS ARE SELECTED THROUGHOUT PEI FOR RESEARCH, CONSERVATION, RECREATION AND EDUCATIONAL PURPOSES. BIOPHYSICAL DATA IS GATHERED.

KENG JCW : SOIL-PHYSICS, SOIL & WATER-ENGINEERING, AGRICULTURAL HYDROLOGY; WATERSHED MANAGEMENT; CONSERVATION FARMING.

LEBLANC PJ : THE FISH-HABITAT DIVISION PROVIDES THE SCIENTIFIC AND TECHNICAL ASSESSMENT, INVESTIGATION AND RESEARCH REQUIRED FOR THE CONSERVATION, RESTORATION AND DEVELOPMENT OF FRESHWATER AND MARINE FISH-HABITAT RESOURCE BASE OF THE GULF REGION.

LORBERG EF : ANALYSIS OF PROPOSED SCHEMES FOR DISPOSAL OF LIQUID-WASTE INTO DEEP FORMATIONS, WESTERN SEDIMENTARY BASIN WITH RESPECT TO CONSERVATION OF NATURAL-RESOURCES, MAINLY GROUNDWATER AND PROTECTION OF THE ENVIRONMENT.

MACLEOD JC : FISH HABITAT MANAGEMENT. DEVELOPMENT OF POLICIES & PROGRAMS IN DFO & PROVISION OF ADVICE TO SENIOR MANAGEMENT ON CONSERVATION, RESTORATION & DEVELOPMENT OF FISH-HABITAT SUSTAINING CANADA'S IMPORTANT FISHERIES RESOURCES.

MANITOBA NATURALISTS SOCIETY : FIVE ACTION COMMITTEES MONITOR THE ENVIRONMENT OF MANITOBA IN PARTICULAR, BUT ALSO STUDY NATIONAL AND INTERNATIONAL ISSUES. THEY ARE PARKS, WILDLIFE, URBAN-ENVIRONMENT, HABITAT CONSERVATION AND ENVIRONMENTAL ACTION. VARIOUS POSITION PAPERS AND BRIEFS ARE WRITTEN REGARDING ENVIRONMENTAL ISSUES AND BROUGHT FORWARD TO THE GOVERNMENT AND INDUSTRY RESPONSIBLE. HECLA ISLAND MANAGEMENT PLAN, LOGGING IN ATIKAKI WILDERNESS AREA, CITY OF WINNIPEG RIVERS AND STREAM AUTHORITY, HYDRO ELECTRIC DEVELOPMENT (CONAWAPA) AND STORAGE OF NUCLEAR-WASTE.

MCCLAREN M : DECISION-MAKING AND PROBLEM SOLVING BEHAVIOUR WITH A FOCUS ON ENVIRONMENTAL ISSUES AND/OR PROBLEMS. ENVIRONMENTAL AND CONSERVATION EDUCATION WITH AN EMPHASIS ON CURRICULUM DEVELOPMENT.

MORIN JR : RESEARCH RELATES TO RESOURCE DEVELOPMENT, RESOURCE CONSERVATION & THE PROTECTION OF PUBLIC SAFETY & RESOURCES FROM NATURAL HAZARDS PLANS ARE PREPARED FOR CROWN LANDS, WATERS, FORESTS, PARKS, FISH & WILDLIFE RESOURCES TO PROMOTE THEIR WISE MANAGEMENT FOR ECONOMIC & SOCIAL BENEFIT.

MURRAY DR : INVENTORY OF CANADIAN ACTIVITIES RELATED TO SOIL & WATER LIMITATIONS, DEGRADATION, CONSERVATION, IMPROVEMENT, RECLAMATION. ACTIVITIES ASSOCIATED WITH MINING, AGRICULTURE, FORESTRY, ENERGY, TRANSPORTATION, CONSTRUCTION, ETC.

NETTLESHIP DN : HEAD LONG-TERM RESEARCH PROGRAM ON REPRODUCTIVE AND PELAGIC-ECOLOGY OF SEABIRD POPULATIONS IN NORTH-WEST ATLANTIC, PARTICULARLY ATLANTIC CANADA AND EASTERN CANADIAN ARCTIC. PUBLICATIONS INCLUDE: "ATLAS OF EASTERN CANADIAN SEABIRDS", "ECOLOGICAL SITES IN NORTHERN CANADA", "CONSERVATION OF MARINE BIRDS OF NORTHERN NORTH-AMERICA", AND "THE THICK-BILLED MURRES OF PRINCE-LEOPOLD ISLAND; BREEDING ECOLOGY OF A COLONIAL HIGH ARCTIC SEABIRD."

PETROLEUM ASSOC FOR CONSERVATION : TO PROMOTE, WITHIN THE CANADIAN PETROLEUM INDUSTRY DEVELOPMENT AND APPLICATION OF THE PRINCIPLES AND SCIENCE OF ENVIRONMENTAL CONSERVATION, INCLUDING ENVIRONMENTAL-PROTECTION, OCCUPATIONAL-HEALTH AND SAFETY, PRODUCT TOXICITY AND ENERGY-CONSERVATION AS RELATED TO ENVIRONMENTAL-PROTECTION.

RUBEC CDA : EFFECTS OF ACID-PRECIPITATION & ECOSYSTEMS AT RISK. ASSESSMENT OF RESOURCES AT RISK TO ACID-RAIN. WETLANDS & LAND CONSERVATION. LAND USE MONITORING. ECOLOGICAL LAND SURVEY. NORTHERN ECOLOGY.

SCACE RC : MANAGEMENT, COORDINATION OF LARGE-SCALE MULTI-DISCIPLINARY STUDIES, HUMAN ECOLOGICAL AND LANDSCAPE ANALYSES, LAND-USE PLANNING, HERITAGE PARKS AND PROTECTED AREAS CONSERVATION, IMPACT-ASSESSMENT, RECREATIONAL STUDIES, EDITING, CONFERENCE PLANNING, PROJECT ASSESSMENT.

CONSERVATION

SCHWASS RD : CHAIRMAN, TASK FORCE ON CONSERVATION STRATEGY FOR NORTHERN CANADA; CHAIRMAN, ADVISORY COMMITTEE ON RESOURCE MANAGEMENT, BANFF CENTRE; ADVISOR, TO SEVERAL MINISTERS RESPONSIBLE FOR ENVIRONMENTAL POLICY, GOVERNMENT OF CANADA. MEMBER, INTL. ASSOC. OF UNIV. CONFERENCE ON ENVIRONMENTAL EDUCATION, BUDAPEST, OCT. 1983. CONSULTANT TO I.U.C.N. ON SUSTAINABLE DEVELOPMENT AND CONSERVATION STRATEGY IN PAKISTAN AND TANZANIA 1985-86; CONSULTANT TO THE MINISTRY OF POPULATION AND ENVIRONMENT, GOVERNMENT OF INDONESIA, 1985-86.

SOCIETE LINNEENNE DU QUEBEC : UNE ORGANISATION REGROUPANT 800 MEMBRES DONT UN DES OBJECTIFS PRINCIPAUX EST LA CONSERVATION DE LA NATURE. LA SOCIETE PREND AINSI POSITION PUBLIQUEMENT DANS DES DOSSIERS DU LES REPERCUSSIONS PEUVENT CAUSER PREJUDICE A L' ENVIRONNEMENT & A LA QUALITE DE VIE QUI EN DECOULE.

TOWNSHEND AR : COLD CLIMATE NORTHERN & RURAL ENVIRONMENTAL ENGINEERING TECHNOLOGIES FOR THE PROTECTION OF THE ENVIRONMENT & QUALITY OF LIFE; TECHNOLOGIES FOR WATER SOURCE DEVELOPMENT & TREATMENT, WATER CONSERVATION, WASTEWATER-TREATMENT & DISPOSAL, SOLID-WASTE MANAGEMENT & ENERGY-CONSERVATION.

TRUDEL MJ : LA FACULTE DES SCIENCES DE L' AGRICULTURE ET DE L' ALIMENTATION DE L' UNIVERSITE LAVAL REALISE UNE VINGTAINE DE PROJETS DE RECHERCHE RELIES A L' ENVIRONNEMENT NOTAMMENT SUR LES SUJETS SUIVANTS: TRAITEMENT ET MANUTENTION DES LISIERES ET FUMIERS, EPURATION-DES-EAUX-USEES, CONSERVATION DES SOLS, BILAN HYDRIQUE DES SOLS, PERSISTANCE DES PESTICIDES, ZONAGE BIOCLIMATIQUE.

WARMAN PR : SOIL-FERTILITY & CONSERVATION THROUGH ORGANIC AMENDMENTS (ANIMAL & GREEN MANURES, COMPOSTS, SEWAGE SLUDGE); MINE-TAILINGS & LAND RECLAMATION; SOIL & PLANT RELATIONSHIPS IN CONSERVATION & RECLAMATION.

YEATMAN CW : PROJECT LEADER OF TREE GENETICS AND BREEDING RESEARCH IN BOREAL CONIFERS. RESEARCH IN GENECOLOGY AND GENETIC IMPROVEMENT OF PINUS-BANKSIANA. ACTIVIST IN PROMOTING CONSERVATION OF FOREST GENETIC RESOURCES WORLD-WIDE.

ZAMMUTO RM : RELATIONSHIPS AMONG VARYING ENVIRONMENTAL CONDITIONS AND LIFE-HISTORIES OF BIRD AND MAMMAL POPULATIONS IN MONTANE OR BOREAL AREAS. TERRESTRIAL-ECOLOGY, ZOOLOGY, SURVIVAL, WILDLIFE, NON-GAME, REPRODUCTION, ORNITHOLOGY, WEATHER, BIOMETEOROLOGY, BIOMETRICS, BOREAL, CLIMATE, CONSERVATION, METEOROLOGY, MAMMAL POPULATION.

CONSTRUCTION

BAKER JR : ENGINEERING & CONSTRUCTION OF FLUIDIZED RATION BED INCINERATION ("SUPERBURN" PROCESS) FOR MUNICIPAL & INDUSTRIAL-WASTE SYSTEMS ARE HIGHLY EFFICIENT, WITH LITTLE OR NO ENVIRONMENTAL-CONTAMINATION.

MURRAY DR : INVENTORY OF CANADIAN ACTIVITIES RELATED TO SOIL & WATER LIMITATIONS, DEGRADATION, CONSERVATION, IMPROVEMENT, RECLAMATION. ACTIVITIES ASSOCIATED WITH MINING, AGRICULTURE, FORESTRY, ENERGY, TRANSPORTATION, CONSTRUCTION, ETC.

SZABO BS : MECHANICAL AND ELECTRICAL ENGINEERING RELATED TO BUILDING DESIGN COVERING CONCEPT, DESIGN AND DEVELOPMENT, CONSTRUCTION ADMINISTRATION, SYSTEMS MANAGEMENT AND OPERATIONS. IN DEPTH CAPABILITIES IN FIELDS OF ENERGY STUDIES, GENERATION, TRANSMISSION, DISTRIBUTION AND UTILIZATION; POLLUTION-CONTROL, ENVIRONMENTAL STUDIES, BUILDING AUTOMATION DESIGNS.

TIMUSK J : STUDY OF BUILDING MATERIALS, COMPONENTS, DETAILS & CONSTRUCTION METHODS WITH RESPECT TO MAINTENANCE OF INTERIOR TEMPERATURE & MOISTURE LEVELS & AVOIDANCE OF DETRIMENTAL BIOLOGICAL & CHEMICAL ACTIVITY, AGING & ENVIRONMENTALLY INDUCED DISTRESS IN BUILDINGS.

TORRENUEVA AL : MONITORING ENVIRONMENTAL-IMPACT ASSOCIATED WITH CONSTRUCTION & OPERATION OF ELECTRIC GENERATING STATIONS (THERMAL, HYDRAULIC & NUCLEAR). NUCLEAR). RESEARCH ON THE EFFECTS OF ACID-DEPOSITION & OTHER AIR-POLLUTANTS ON BIOLOGICAL SYSTEMS. REVEGETATION OF ASH DISPOSAL AREAS.

WELCH W : PLANT ECOLOGY, WETLAND FOREST SUCCESSION, PLANT SUCCESSION FOLLOWING RIGHT OF WAY CONSTRUCTION, VEGETATION MANAGEMENT ON ELECTRICAL TRANSMISSION RIGHTS OF WAY, VEGETATION INVENTORIES, COAL FLY-ASH RECLAMATION AND EROSION CONTROL.

CONTAMINANT

DART FJ : POTABLE-WATER: CONTROL OF EXCESS INORGANICS PARTICULARLY BY SEQUESTRATION TECHNIQUES; CHEMICAL-ANALYSIS INTERPRETATION; CORROSION, FOULING AND CONTAMINANT SOURCE ASSESSMENTS; PURIFICATION ALTERNATIVES; CHEMISTRY ASSESSMENTS OF WASTEWATER, INDUSTRIAL-WASTES AND LANDFILL.

FRITZ P : ENVIRONMENTAL ISOTOPE GEOCHEMISTRY IN RELATION TO WASTE-DISPOSAL, CONTAMINANT STUDIES, HYDROGEOLOGY, QUATERNARY GEOLOGY & PALEONTOLOGY. STABLE ISOTOPE ANALYSES, RADIOCARBON DATING, TRITIUM DETERMINATIONS, GEOCHEMICAL ANALYSES.

KILLEY RWD : PHYSICAL & CHEMICAL CONTROLS ON CONTAMINANT TRANSPORT IN GROUNDWATER FLOW SYSTEMS, INCLUDING PREDICTIVE MODELLING.

LEE DR : GROUNDWATER CONTAMINANT FLUX TO SURFACE-WATERS, IDENTIFICATION OF GROUNDWATER DISCHARGE ZONES, STUDIES OF RADIONUCLIDE MIGRATION IN POROUS MEDIA TOXICITY OF METALS AND SYNTHETIC ORGANICS TO AQUATIC LIFE.

MCILVEEN WD : ASSESSMENT OF ENVIRONMENTAL CONTAMINANT EFFECTS INCLUDING ACID-RAIN ON TERRESTRIAL SYSTEMS (VEGETATION & SOIL) FOR PURPOSES OF PROVINCIAL ABATEMENT STRATEGY. PRACTICAL FIELD & LABORATORY PROBLEM SOLVING RESEARCH.

CONTAMINANT

PALMER MD : WATER-QUALITY STUDIES AND PREDICTION MODELLING; BEACH BACTERIA CONTAMINANT MANAGEMENT STUDIES; OUTFALL AND INTAKE STUDIES AND DESIGN; DISPERSION AND TRANSPORT IN COASTAL REGIONS; HAZARDOUS-CHEMICALS MIXING ZONE PREDICTIONS AND RISK-ASSESSMENT; WATER-QUALITY MANAGEMENT PLANNING MODELS.

REYNOLDISON TB : USE OF OLIGOCHAETA AS INDICATORS OF TOXIC CONTAMINANT STRESS. THIS INVOLVES EXAMINATION OF INDIVIDUAL SPECIMENS FOR THE PRESENCE OF CHAETAL-DEFORMITIES. IDENTIFICATION OF THE ROLE OF TEMPERATURE & OXYGEN IN THE POPULATION-DYNAMICS OF OLIGOCHAETA IN LAKE ERIE.

ROWE RK : MODELLING CONTAMINANT MIGRATION THROUGH SOILS WITH PARTICULAR EMPHASIS ON CLAY LINERS. DEVELOPMENT OF TECHNIQUES FOR DETERMINATION OF APPROPRIATE SOIL LEACHATE PARAMETERS.

SCHEIDER WA : EFFECTS OF CONTAMINANTS ON BIOTA OF ONTARIO LAKES. CONTAMINANT FATE, PATHWAYS & EFFECTS ON AQUATIC SYSTEMS.

UTHE JF : STUDY OF METHODS OF MEASUREMENT OF CHEMICAL CONTAMINANTS IN FISH POPULATIONS AND DETECTION OF TREND IN CONTAMINANT LEVELS OVER TIME. INVESTIGATION OF SITUATIONS WHERE CONTAMINANTS IN FISH PRODUCTS MAY POSE A CONSUMER CONCERN.

WHITTLE DM : TRENDS IN CONTAMINANTS (PESTICIDES, INDUSTRIAL CHEMICALS AND TRACE-METALS) IN AQUATIC BIOTA FROM THE LAURENTIAN GREAT LAKES. DETERMINE THE IMPACT OF CONTAMINANT BURDENS ON THE AQUATIC-ECOSYSTEM.

WILLIAMS DT : DEVELOPMENT OF SAMPLING AND ANALYTICAL METHODS FOR ENVIRONMENTAL ORGANIC CONTAMINANTS. MONITORING OF ORGANIC CONTAMINANTS IN DRINKING-WATER, INDOOR-AIR AND HUMAN TISSUES. REMOVAL OF ORGANIC CONTAMINANT FROM DRINKING-WATER.

YONG RN : RESEARCH INVOLVES ENVIRONMENTAL-AUDITING PERTAINING TO HAZARDOUS-WASTE DISPOSAL AND MANAGEMENT. RESEARCH THEMES ADDRESSED INCLUDE CONTAMINANT MIGRATION MODELLING IN SOILS, SOIL DECONTAMINATION, TOXICITY ASSESSMENT, CONTAMINANT BIODEGRADATION, LAND FARMING, REMEDIAL MEASURES, SOIL BIOTECHNOLOGY.

CONTAMINANTS

BARICA J : LIMNOLOGY OF EUTROPHIC LAKES: NUTRIENT AND OXYGEN REGIMES, FORMATION OF ALGAL BLOOMS: CYANOPHYTA ECOLOGY, ALGAL CONTROL, PREDICTIONS OF LAKE PRODUCTIVITY; CAUSES AND REMEDIES OF MASSIVE FISH MORTALITIES (SUMMER AND WINTER FISH KILLS); NUTRIENT CONTAMINANTS INTERACTIONS; LAKE RESTORATION.

CARBONNEAU JM : ELABORATION DE MOYENS DE CONTROLE (E.G. CODE DE RECOMMENDATIONS TECHNIQUES, LIGNES DIRECTRICES, REGLEMENTS) SUR LES SUBSTANCES CONTROLEES PAR LA LOI SUR LES CONTAMINANTS DE L' ENVIRONNEMENT, DONT LES BIPHENYLES-CHLORES (BPC) ET LES CHLOROFLUOROALCANES (CFC).

CAREY JH : STUDIES ON THE PATHWAYS OF TRANSPORT, BIOACCUMULATION & DEGRADATION OF SYNTHETIC ORGANIC CONTAMINANTS IN AQUATIC-ECOSYSTEMS PLACING PARTICULAR & PROCESSES OF IMPORTANCE IN FLUVIAL SYSTEMS.

CHOMYN BA : GEOLOGY AND GEOCHEMISTRY OF DEEP ROCK DISPOSAL OF HIGH LEVEL RADIOACTIVE-WASTE; MAGNETIC SUSCEPTIBILITY, MEASUREMENTS RELATIVE TO ROCK COMPOSITION AT DEPTH. PREDICTION OF THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH URANIUM TAILINGS WITH TIME MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK BEING EXTENDED TO OTHER TYPES OF TAILINGS.

DUNCAN CE : AIR-QUALITY & PRECIPITATION QUALITY MONITORING, ACID-RAIN MATHEMATICAL-MODELLING, METEOROLOGY, CONTROL & PROCESS TECHNOLOGY, HAZARDOUS CONTAMINANTS, STANDARD SETTING & REGULATION, SOURCE ASSESSMENT & MEASUREMENTS, VEHICLE EMISSIONS, SOILS & VEGETATION ASSESSMENT, PLANT PATHOLOGY EMERGENCY RESPONSE.

FREEMAN HC : QUANTIFICATION OF POLLUTANTS AND CONTAMINANTS IN FISH AND SUBLETHAL EFFECTS (BIOCHEMICAL TESTS).

GOYETTE DE : MARINE ENVIRONMENTAL-IMPACT-ASSESSMENT AND POLLUTION-CONTROL; INDUSTRIAL AND MUNICIPAL DISCHARGES, PACIFIC COAST. SPECIFIC STUDIES ON THE PHYSICAL, CHEMICAL AND BIOLOGICAL IMPACTS OF MINE-TAILINGS AND EFFLUENTS FROM PULP-MILLS; TISSUE TRACE-METALS; MONITORING AND REGULATION COMPLIANCE; ENVIRONMENTAL-IMPACT-ASSESSMENT; PORT & HARBOURS; BIOLOGICAL EFFECTS OF ORGANIC CONTAMINANTS AND URBAN WASTES.

HALL KJ : ENVIRONMENTAL POLLUTION, SPECIFICALLY TRACE-METAL AND TRACE-ORGANIC CONTAMINANTS. PRODUCTION AND DECOMPOSITION PROCESSES IN MARSHES. LIMNOLOGICAL STUDIES ON NUTRIENT AVAILABILITY AND REGULATION OF PRODUCTION PROCESSES.

HUCK PM : TREATMENT OF DRINKING-WATER (ORGANIC CONTAMINANTS ALTERNATIVE DISINFECTANTS, ACTIVATED CARBON). TREATMENT OF URANIUM MINING & MILLING WASTES (DEVELOPMENT OF A NEW PROCESS FOR RADIUM REMOVAL).

HUNSINGER RB : MICRO CONTAMINANTS IN DRINKING-WATER (ASBESTOS, DIOXINS ETC.) INCLUDING SAMPLING METHODS & FATE WITHIN THE TREATMENT TRAIN & REMOVAL METHODS. DRINKING-WATER DATA-BASES (DWSP). DRINKING-WATER TREATMENT.

KELSO JRM : EFFECTS OF ATMOSPHERIC-DEPOSITION ON FISHERIES-RESOURCES EFFECTS OF CONTAMINANTS ON FISH POPULATIONS (BODY BURDENS, BEHAVIOUR).

LECHNER LJ : IN CHARGE OF THE AIR-POLLUTION CONTROL PROGRAM IN SASKATCHEWAN WHICH DEALS WITH THE CONTROL OF AIR CONTAMINANTS FROM INDUSTRY.

MCKEE PM : RESEARCH ON FRESHWATER ENVIRONMENTS; CYCLING OF NATURAL ELEMENTS & CONTAMINANTS; EFFECTS OF IONIZING RADIATION ON HUMANS AND OTHER BIOTA; FISHERIES BIOLOGY; BENTHIC ECOLOGY.

CONTAMINANTS

MILLER DR : DISTRIBUTION AND TRANSPORT OF TOXIC-CHEMICALS IN THE ENVIRONMENT, AND THEIR EFFECTS ON ECOSYSTEMS AND ORGANISMS INCLUDING MAN; MODELLING OF TRANSPORT PROCESSES; HAZARD ASSESSMENT OF ENVIRONMENTAL CONTAMINANTS.
MINNS CK : MODELLING & STATISTICAL-ANALYSIS OF FISHERIES & ENVIRONMENTAL PROBLEMS INCLUDING COMMUNITY DYNAMICS, EUTROPHICATION, ACIDIFICATION AND CONTAMINANTS.
NASSICHUK MD : IMPACT-ASSESSMENT OF PROPOSED INDUSTRIAL DEVELOPMENTS THAT COULD AFFECT WATER-QUALITY. INVESTIGATIVE PROGRAMS ON IMPACT OF SPECIFIC POLLUTANTS & CONTAMINANTS ON FISH (PACIFIC SALMON) & FISH-HABITAT. POLICY & LEGISLATIVE ADVISOR ON WATER-QUALITY ISSUES.
OLIVER BG : PATHWAYS OF ORGANIC CONTAMINANTS IN AQUATIC ENVIRONMENT, BIOCONCENTRATION & BIOACCUMULATION OF ORGANICS BY FISH, BY-PRODUCTS OF DRINKING-WATER CHLORINATION.
OZBURN GW : MULTIPLE ORGANIC TOXICITY, BIOACCUMULATION, BIOCONCENTRATION EFFECT ON GROWTH, ETC. USING FLAGFISH AND BROOK-TROUT. CHLORINATED-BENZENES AND CHLORINATED-PHENOLS, ETHYLENES & ETHANES AS CONTAMINANTS.
RITCEY GM : PROCESS OF URANIUM AND BASE-METAL ORES WHERE THE ENVIRONMENTAL CONSIDERATIONS OF TAILINGS EFFLUENTS WERE CONSIDERED. RECENTLY DEVOTED TO URANIUM AND SULPHIDE TAILINGS, TO PREDICT THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH THE TAILINGS WITH TIME. MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK WILL BE EXTENDED TO MATERIALS TO INHIBIT OXIDATION.
SCHEIDER WA : EFFECTS OF CONTAMINANTS ON BIOTA OF ONTARIO LAKES. CONTAMINANT FATE, PATHWAYS & EFFECTS ON AQUATIC SYSTEMS.
SIMS MP : PROVINCIAL RESEARCH PROGRAMS ON ACID-DEPOSITION, AIR-QUALITY & CLIMATE, RECLAMATION, WATER-RESOURCES; WATER-TREATMENT & WASTE-MANAGEMENT, ENVIRONMENTAL CONTAMINANTS. INTERESTS IN RISK-ASSESSMENT, BIOTECHNOLOGY & LAND RESOURCE INVENTORY.
SLY PG : GEOLOGY OF LARGE LAKE SYSTEMS, SEDIMENT WATER INTERACTIONS INCLUDING TOXIC & NUTRIENT CONTAMINANTS, DREDGING & MATERIAL DISPOSAL, SEDIMENT EROSION, DEPOSITION & TRANSPORT. AQUATIC HABITATS & SEDIMENT BIOTA (INVERTEBRATE & FISH) INTERACTIONS.
SNODGRASS WJ : RESEARCH INTO SEDIMENT WATER TRANSFER OF CONTAMINANTS (CHLORINATED ORGANICS, HEAVY-METALS, RADIONUCLIDES, ALKALINITY). WATER & WASTEWATER-TREATMENT PROCESSES. RADIOLOGICAL IMPACT OF NUCLIDE RELEASES.
TOFT P : CONTAMINANTS IN DRINKING-WATER. CONTAMINANTS IN INDOOR-AIR. HAZARD EVALUATION. ASBESTOS. GUIDELINES FOR HUMAN EXPOSURE.
TRENHOLM HL : TOXICOLOGY OF MYCOTOXINS IN ANIMAL FEEDS FOR LIVESTOCK AND POULTRY. METABOLISM OF MYCOTOXINS. DETOXIFICATION OF NATURAL CONTAMINANTS & TOXIC RESIDUES IN ANIMAL PRODUCTS.
UTHE JF : STUDY OF METHODS OF MEASUREMENT OF CHEMICAL CONTAMINANTS IN FISH POPULATIONS AND DETECTION OF TREND IN CONTAMINANT LEVELS OVER TIME. INVESTIGATION OF SITUATIONS WHERE CONTAMINANTS IN FISH PRODUCTS MAY POSE A CONSUMER CONCERN.
WATSON AEP : WATER AND ECOSYSTEM QUALITY, DEVELOPMENT OF OBJECTIVES FOR ECOSYSTEM QUALITY FOR IJC GREAT-LAKES SCIENCE ADVISORY BOARD (SAB) HUMAN HEALTH EFFECTS OF GREAT-LAKES WATER-QUALITY EVALUATION OF HEALTH HAZARDS FROM CHEMICAL AND MICROBIOLOGICAL CONTAMINANTS IN THE GREAT-LAKES AND THE DEVELOPMENT OF THE DESIGN OF EPIDEMIOLOGICAL-STUDIES FOR THE (SAB) AND THE GREAT-LAKES WATER QUALITY BOARD. SAB GREAT-LAKES RESEARCH REVIEW PARTICIPATION.
WHITTLE DM : TRENDS IN CONTAMINANTS (PESTICIDES, INDUSTRIAL CHEMICALS AND TRACE-METALS) IN AQUATIC BIOTA FROM THE LAURENTIAN GREAT LAKES. DETERMINE THE IMPACT OF CONTAMINANT BURDENS ON THE AQUATIC-ECOSYSTEM.
WILLIAMS DT : DEVELOPMENT OF SAMPLING AND ANALYTICAL METHODS FOR ENVIRONMENTAL ORGANIC CONTAMINANTS. MONITORING OF ORGANIC CONTAMINANTS IN DRINKING-WATER, INDOOR-AIR AND HUMAN TISSUES. REMOVAL OF ORGANIC CONTAMINANT FROM DRINKING-WATER.

CONTAMINATION

ARNAC M : CONTAMINATION D' ORGANISMES MARINS PAR LES METAUX. BIOACCUMULATION DET DISTRIBUTION DANS LES TISSUS ET LES ORGANES. ASSOCIATION AVEC LES PROTEINES SOLUBLES.
CAMPBELL PG : TRACE-METAL BIOGEOCHEMISTRY. ACID-PRECIPITATION. SOURCE POLLUTION; EVOLUTION POLLUTION; POLLUTION TRANSPORT; GROUNDWATER CONTAMINATION BY PESTICIDES.
CEROICI WJ : EVALUATING GROUNDWATER CONTAMINATION FROM WASTE-DISPOSAL FACILITIES & INDUSTRIAL PLANTS. DESIGN OF GROUNDWATER MONITORING SYSTEMS, COLLECTION & INTERPRETATION OF MONITORING DATA.
CHANDLER RL : GROUNDWATER CONTAMINATION FROM UNDERGROUND PETROLEUM STORAGE TANKS & INDUSTRIAL SOURCES. SITING & DESIGN OF MUNICIPAL OR INDUSTRIAL WASTEWATER STORAGE-PONDS.
FRENETTE M : EROSION DES SOLS; TRANSPORT SOLIDE; SEDIMENTATION DANS LES LACS, RESERVOIRS & ESTUAIRES; STABILITE & MORPHOLOGIE DES COURS D'EAU. CONTAMINATION DES EAUX-SOUTERRAINES. MIGRATION DES POLLUANTS EN MILIEU PARTIELLEMENT SATURE.
HUGHES GM : GROUNDWATER CONTAMINATION AND WASTE-DISPOSAL.
KHALIL M : ORGANIC GEOCHEMISTRY OF SURFACE SEDIMENTS. ESTUARINE POLLUTION STUDIES INCLUDING THE CONTAMINATION OF MARINE ORGANISMS BY ORGANOHALOGENATED-COMPOUNDS AND POLYAROMATIC-HYDROCARBONS. TOXICOLOGICAL STUDIES OF INDUSTRIAL POLLUTANTS AND THEIR INTRODUCTION IN THE MARINE FOOD-CHAIN.
KOBYLNYK R : SURVEYS OF PESTICIDE RESIDUES IN AREAS WHERE SURFACE & GROUNDWATER CONTAMINATION MAY OCCUR.
KUCERA E : MAMMALS AS INDICATORS OF ENVIRONMENTAL-QUALITY OR CONTAMINATION. MERCURY IN MINK & OTTER. HEAVY-METALS IN WILD MAMMALS. FLUORIDES IN DEER & SMALL MAMMALS. TRANSLATOR: CZECH, GERMAN, RUSSIAN, SLOVAK INTO ENGLISH; ENGLISH INTO CZECH, GERMAN.

CONTAMINATION

MERANGER JC : CHARACTERIZATION OF FIBROUS DUSTS INCLUDING ASBESTOS. ANALYSIS OF WATER, AIR AND BIOLOGICAL SAMPLES. EFFECTS OF ACIDIC-DEPOSITION ON QUALITY OF DRINKING-WATER (TRACE-ELEMENT CONTAMINATION). TRACE-ELEMENT METHOD DEVELOPMENT.
NICHOLSON RV : GEOCHEMICAL MODELLING & GROUNDWATER CONTAMINATION. RESEARCH INCLUDES SULPHIDE MINERAL OXIDATION & ACID GENERATION, CHEMICAL EVOLUTION OF URANIUM MILL-TAILINGS, MODELLING ACID GENERATION, OXYGEN TRANSPORT IN SUBSURFACE (TAILINGS) & EQUILIBRIUM & KINETIC MODELLING OF GEOCHEMICAL PROCESS.
PUPP C : ENVIRONMENTAL ANALYTICAL-CHEMISTRY. AIR-MONITORING. REVIEW & SYNOPSIS OF GROUNDWATER CONTAMINATION & USE; AIR OXIDANTS AND AIR OXIDANTS AND TOXICS.
SCHREIER H : SOIL & SEDIMENT CHEMISTRY. TRACE-METAL CONTAMINATION. ASBESTOS IN THE ENVIRONMENT (SOIL, ROCKS, SEDIMENT, WATER, BIOTA). SOIL FERTILITY. REMOTE-SENSING.
WARREN HV : TRACE-ELEMENTS IN VEGETATION, SOILS, AND THEIR RELATION TO CONTAMINATION OF THE ENVIRONMENT, EPIDEMIOLOGY, AND MINERAL EXPLORATION.

CONTINGENCY-PLANNING

BOSTON NEJ : PHYSICAL OCEANOGRAPHY; AIR & SEA INTERACTION AND TURBULENCE; MICROMETEOROLOGY OIL-SPILL CONTINGENCY-PLANNING; PLANNING AND EXECUTION OF INTERNATIONAL RESEARCH PROGRAMS; TEACHING OF UNDERGRADUATE GRADUATE OCEANOGRAPHY COURSES; DEVELOPMENT OF OCEANOGRAPHY PROGRAMS FOR DEVELOPING-COUNTRIES AND UNIVERSITIES. RESOURCE DATA-BASE DEVELOPMENT. COMPUTERIZED RESOURCE & SENSITIVITY-MAPPING.
EEDY W : DESIGN, MANAGEMENT AND COSTING OF MULTIDISCIPLINARY ENVIRONMENTAL-IMPACT STUDIES, MITIGATION OR CONTINGENCY-PLANNING TERRESTRIAL-ECOLOGY SURVEYS, HAZARDOUS-WASTE MANAGEMENT, RESOURCE ECONOMICS, END-USE PLANNING, AND PUBLIC-PARTICIPATION PROGRAMS.
MANSFIELD BH : OIL-SPILL COUNTERMEASURES, HAZARDOUS MATERIAL SPILLS, CONTINGENCY-PLANNING FOR EMERGENCIES OF ALL TYPES. ENVIRONMENTAL EMERGENCY PREVENTION, ALERTING, REPORTING AND RESPONSE.
VAN SETERS DA : ENVIRONMENTAL-IMPACT-ASSESSMENT. TERRESTRIAL-ECOLOGY. ENVIRONMENTAL-PLANNING. WATER-RESOURCES MANAGEMENT. CONTINGENCY-PLANNING.

CONTROLE-EAU

FORTIN JP : HYDROLOGIE; HYDROMETEOROLOGIE; PRECIPITATION; PLUIE; NEIGE; RUISSELLEMENT; DEBIT; ECOULEMENT; PHYSIOGRAPHIE; RIVIERE; BASSIN VERSANT; CRUE; INONDATION; TELEDETECTION EAU; SATELLITE EAU; INTEGRATION DES DONNEES; STATISTIQUE HYDROLOGIE; GESTION-EAU; PLANIFICATION-EAU; PREVISION EAU; DECISION EAU; PROTECTION EAU; CONTROLE-EAU; MODELE HYDROLOGIQUE; CEQUEAU MODELE; MODELE DETERMINISTE MAILLE-CARREAU; MODELE D AJUSTEMENT; PREVISION HYDROLOGIQUE; PREVISION ECOULEMENT; PREVISION TEMPS REEL; RESEAU HYDROLOGIQUE; PLUVIOMETRE; RADAR HYDROLOGIE; STATION-PLUVIOMETRIQUE; RESEAU RADAR METEOROLOGIE; PRECIPITATIONS-ACIDES; POLLUANTS-ATMOSPHERIQUES; TRANSPORT-A-LONGUE-DISTANCE; MODELE STATISTIQUE; DIFFUSION UNIDIMENSIONNEL; ANISOTROPIE-SPATIALE.
SASSEVILLE JL : IMPACT-ENVIRONNEMENTAL; ENVIRONNEMENT-AQUATIQUE; EVALUATION-DES-IMPACTS; ENVIRONNEMENT EAU; ECOSYSTEME AQUATIQUE; RESSOURCE EAU; GESTION-EAU; PLANIFICATION-EAU; ADMINISTRATION EAU; DEVELOPPEMENT EAU; DECISION EAU; PREVISION EAU; CONTROLE-EAU; EVALUATION RISQUE-ENVIRONNEMENT; UTILISATION EAU; UTILISATION ENVIRONNEMENT; UTILISATION RESSOURCE EAU; APPROCHE SYSTEMIQUE; METHODOLOGIE EVALUATION; ANALYSE DE SYSTEME.

COPPER

HEALE EL : DEVELOPMENT OF WOODY TREES AND SHRUBS ON TAILINGS; TRACE-ELEMENTS (ESPECIALLY NICKEL AND COPPER). EFFECTS ON VEGETATION; EXPERIMENTS UTILIZING WASTE GEOTHERMAL HEAT ENERGY FOR THE PRODUCTION OF GREENHOUSE VEGETABLE AND FORESTRY CROPS; INVESTIGATION, NEGOTIATION AND SETTLEMENT OF CLAIMS FOR VEGETATION DAMAGE.
HUTCHINSON TC : ACID-RAIN STUDIES OF TERRESTRIAL-ECOSYSTEMS, HEAVY-METAL TOXICITY TO PLANTS AND ALGAE. ECOTOXICOLOGY OF NICKEL, COPPER, LEAD. EFFECTS OF SMELTERS. OIL-SPILL AND HYDROCARBON TOXICITY RESEARCH. ARCTIC AND BOREAL AREAS.

CORAL-REEFS

NURSALL JR : ECOLOGY OF CORAL-REEFS, ESPECIALLY FISHES; STRUCTURE AND EVOLUTION OF FISHES; SCIENTIFIC POLICY; WASTE-MANAGEMENT.

CORONA

CASTLE GSP : TECHNOLOGY OF ELECTROSTATIC PRECIPITATORS FOR AIR-POLLUTION CONTROL. PROBLEMS ASSOCIATED WITH CORONA SUPPRESSION, HIGH RESISTIVITY DUSTS & WIDE PLATE SPACING PRECIPITATORS.

CORROSION

DART FJ : POTABLE-WATER: CONTROL OF EXCESS INORGANICS PARTICULARLY BY SEQUESTRATION TECHNIQUES; CHEMICAL-ANALYSIS INTERPRETATION; CORROSION, FOULING AND CONTAMINANT SOURCE ASSESSMENTS; PURIFICATION ALTERNATIVES; CHEMISTRY ASSESSMENTS OF WASTEWATER, INDUSTRIAL-WASTES AND LANDFILL.

WALLER JE : POLLUTION-CONTROL, DEVELOPMENT OF UNIQUE PROCESSES. CORROSION CONTROL.

COTENSIOACTIFS

DESNOYERS JE : PROPRIETES THERMODYNAMIQUES DES TENSIOACTIFS ET COTENSIOACTIFS, PROPRIETES DES EMULSIONS, DISPERSION DES HUILES DANS L' EAU DE MER, CARACTERISATION DES DISPERSANTS.

COTIER

PELLETIER E : ECOTOXICOLOGIE MARINE; ETUDE DES INTERACTIONS DES POLLUANTS (METAUX, BPC ET HYDROCARBURES) AVEC LES ORGANISMES MARINS DANS L' ECOSYSTEME COTIER ET LES ESTUAIRES.

VIGNEAULT Y : CONSEILLER SCIENTIFIQUE: EVALUATIONS ENVIRONNEMENTALES, POLLUANTS, TOXICOLOGIE. PROGRAMME DE RECHERCHE EN EVALUATION DES MILIEUX BIO-PHYSIQUES AU NIVEAU MARIN, ESTUARIEN, COTIER. ETUDES SYNTHESES SUR LE TRANSPORT-A-LONGUE-DISTANCE DES POLLUANTS ET LEURS EFFETS SUR LE MILIEU AQUATIQUE.

CO2-FLUX

MACPHERSON JI : OPERATE NRC TWIN OTTER ATMOSPHERIC RESEARCH AIRCRAFT IN FOLLOWING TYPES OF EXPERIMENTS: WEATHER MODIFICATION, AIR SAMPLING, TURBULENCE RESEARCH, CO2-FLUX MEASUREMENT, ACID-RAIN RESEARCH.

CRABS

SANDEMAN EJ : STOCK-ASSESSMENTS AND RELATED RESEARCH ON FISH OF GENUS SEBASTES, SHRIMP (PANDALUS SP.) AND CRABS (CHIONOCETES OPILIO). EXPERTISE IN MANAGEMENT OF RESEARCH AND DEVELOPMENT PROJECTS AND FISHERIES MANAGEMENT POLICY DEVELOPMENT. INTEREST IN COMPUTER BASED DATA-ACQUISITION METHODOLOGY.

CROP

BOLLO-KAMARA A : DEVELOPING ANALYTICAL METHODS FOR DETERMINING NUTRIENT STATUS OF SOILS FOR FERTILITY AND DIAGNOSIS PURPOSES. NEW PROCEDURES FOR DETERMINING PLANT AND FEED QUALITY FOR ESTABLISHING DIAGNOSTIC TESTS FOR FIELD CROP CALIBRATION.

CHARNETSKI WA : RELATIONSHIP OF AERIAL & GROUND APPLICATION OF AGRICULTURAL SPRAYS TO INSECT-CONTROL & PLANT DENSITY TO CROP CANOPY PENETRATION ON ALFALFA & CEREALS. EVALUATION OF INSECTICIDES & THEIR SAFETY TO BENEFICIAL INSECTS INCLUDING LEAFCUTTER-BEES. INSECTICIDE RESIDUE DYNAMICS IN TERRESTRIAL & AQUATIC-ECOSYSTEMS.

CHENG HH : BIOLOGY, POPULATION-DYNAMICS, CHEMICAL AND BIOLOGICAL CONTROL OF INSECTS ATTACKING TOBACCO AND PEANUT CROPS; ASSESSMENT OF CROP LOSSES. WITHOUT THE USE OF INSECTICIDES. INTEGRATED PEST-MANAGEMENT FOR VEGETABLE AND FRUIT CROPS.

DE KIMPLE CR : CHARACTERIZATION OF PHYSICAL, CHEMICAL & MINERALOGICAL PROPERTIES OF SOILS IN RELATION TO POTENTIAL FERTILITY & CROP PRODUCTION. FIELD WORK WITH ORGANIC AMENDMENTS TO TEST METHODS OF SOIL CONSERVATION & IMPROVEMENT.

DESCHENES JM : DEVELOPMENT OF CROP PLANTS VIA CONVENTIONAL & BIOTECHNOLOGICAL BREEDING TECHNIQUES. PLANT SUPPORT PROGRAMS IN STRESS PHYSIOLOGY PROTECTION, NITROGEN FIXATION & MYCOTOXINS.

DOANE JF : BIOLOGY, BEHAVIOUR AND CONTROL OF WIREWORMS, GROUND BEETLES AND OTHER SOIL INSECTS. IMPACT OF PESTICIDES ON NON-TARGET ORGANISMS PARTICULARLY IN CROP ECOSYSTEMS.

HOFSTRA G : EFFECTS OF ENVIRONMENTAL STRESS ON CROP PLANTS. SALT STRESS IN BEDDING PLANTS. GROWTH REGULATORS & STRESS ALLEVIATION. TREE PHYSIOLOGY.

IGNATIEFF VP : SOIL-FERTILITY & MANAGEMENT. HOW TO EVALUATE SOIL-FERTILITY AND INCREASE CROP YIELDS.

MAURER AR : EXTENSION OF THE VEGETABLE GROWING SEASON BY: SELECTION OF COLD TOLERANT CULTIVARS; OVERWINTERING OF CROPS IN THE FIELD AND USE OF CROP PROTECTANTS SUCH AS FLOATING MULCHES, PLASTIC-TUNNELS ETC.

ROBERTSON W : DETECTION AND IDENTIFICATION OF INDICATOR AND PATHOGENIC MICROORGANISMS IN FRESH AND MARINE WATERS. FERMENTATION OF CROP AND WOOD WASTES TO PRODUCE RUMINANT FEEDS. UTILIZATION OF MYCORRHIZAL FUNGI TO INCREASE CROP PRODUCTIVITIES.

ROSA N : MONITORING OF RAIN PH FOR THE TOBACCO REGION OF SOUTHWESTERN ONTARIO TO ESTABLISH A REFERENCE POINT FOR CONTINUED MEASURE OF CHANGES AND EFFECTS UPON CROP PRODUCTION.

CRYOPRESERVATION

STUSHNOFF C : COLD STRESS, PLANT BREEDING, FRUIT CROPS, GENE RESOURCES & CRYOPRESERVATION; STRAWBERRIES, APPLES, BLUEBERRIES, GENERAL HORTICULTURE INCLUDING VEGETABLES, POTATOES.

CRYPTOGAMS

ADDISON PA : RESEARCH IN ENVIRONMENTAL FORESTRY RELATED PRIMARILY TO THE EFFECTS OF ATMOSPHERIC-POLLUTION ON FOREST ECOSYSTEMS. THIS INCLUDES GROWTH & YIELD STUDIES, BIOMONITORING USING BOTH CRYPTOGAMS & HIGHER PLANTS & SOIL BIOLOGICAL & CHEMICAL RESPONSE MEASUREMENTS.

CRYSTAL

MOON KS : SURFACE CHEMISTRY IN WASTEWATER CLEANING, DESULPHURIZATION OF COAL, MINERAL PROCESSING, FLOCCULATION, FILTRATION, DEWATERING, SETTLING AND DRYING; CRYSTAL CHEMISTRY IN SURFACTANT ADSORPTION AND DESORPTION; AND VARIOUS SOLUTION CHEMISTRY OF ORGANICS AND INORGANIC MATERIALS.

CULTIVARS

MAURER AR : EXTENSION OF THE VEGETABLE GROWING SEASON BY: SELECTION OF COLD TOLERANT CULTIVARS; OVERWINTERING OF CROPS IN THE FIELD AND USE OF CROP PROTECTANTS SUCH AS FLOATING MULCHES, PLASTIC-TUNNELS ETC.

CYANIDE

LEDUC G : AQUATIC TOXICOLOGY. ACUTE AND LONG-TERM TOXICITY OF CYANIDE TO FISH. GROWTH, SWIMMING, OSMOREGULATION, ETC. EFFECTS OF MODIFYING FACTORS OF TOXICITY: TEMPERATURE, SIZE OF FISH, CURRENT OF WATER, ETC. MODE OF ACTION AND DETOXIFICATION OF CYANIDE. BIOACCUMULATION OF THIOCYANIDE. EFFECTS ON THYROID-GLAND AND RELATED FUNCTIONS.

ROBEY HL : INDUSTRIAL LIQUID AND SOLID WASTE-TREATMENT AND RECOVERY. WET AIR OXIDATION AND HIGH TEMPERATURE & PRESSURE CYANIDE HYDROLYSIS PROCESS APPLICATIONS RESEARCH. PROCESS DESIGN AND START-UP OF FULL SCALE SYSTEMS.

SALTER RS : STUDY OF MINE AND MILL EFFLUENT TAILINGS, SLURRIES AND WATERS. CYANIDE DESTRUCTION, HEAVY-METALS PRECIPITATION, SUSPENDED-SOLIDS REMOVAL.

SIROIS LL : ALL ASPECTS RELATED TO MINERAL INDUSTRY PROCESS EFFLUENTS: SLIDS (TAILINGS), LIQUIDS (EG. CYANIDE SOLUTIONS) & GASES (EG. AIRBORNE ARSENICAL FUMES). UNDERSTANDING THE PHENOMENA & DEVELOPING SYSTEMS TO REDUCE ENVIRONMENTAL-IMPACT.

CYTOLOGY

BONGA JM : CONIFER TISSUE CULTURE. CONIFER CYTOLOGY.

DAMS

ROUSE WR : INTERACTION OF CLIMATE & SEA ICE IN HUDSON & JAMES BAYS. MODELLING CLIMATIC, HYDROLOGIC & VEGETATIONAL RELATIONS IN THE COASTAL SALT MARSHES. PREDICTING THE ENVIRONMENTAL-IMPACT OF RIVER DAMS & DIVERSION & CLIMATIC MODIFICATION IN JAMES-BAY & HUDSON BAY.

RUGGLES CP : FRESHWATER FISHERIES - MANAGEMENT AND DEVELOPMENT; ENVIRONMENTAL-IMPACT-ASSESSMENT. FISH PASSAGE AT DAMS. ATLANTIC SALMON ECOLOGY.

DATA-BASE

BOALS RG : WATER-RESOURCES BRANCH IS RESPONSIBLE FOR COLLECTION AND STORAGE OF HYDROMETRIC AND SEDIMENT DATA IN DATA-BASE (HYDAT) WITH ACTIVE PROVINCIAL COOPERATION. DATA-BASE CREATED TO PROVIDE READY AND DIRECT PUBLICATION OF HYDROMETRIC AND SEDIMENT RECORDS AND CONVENIENT ACCESS.

BOSTON NEJ : PHYSICAL OCEANOGRAPHY; AIR & SEA INTERACTION AND TURBULENCE; MICROMETEOROLOGY OIL-SPILL CONTINGENCY-PLANNING; PLANNING AND EXECUTION OF INTERNATIONAL RESEARCH PROGRAMS; TEACHING OF UNDERGRADUATE GRADUATE OCEANOGRAPHY COURSES; DEVELOPMENT OF OCEANOGRAPHY PROGRAMS FOR DEVELOPING-COUNTRIES AND UNIVERSITIES. RESOURCE DATA-BASE DEVELOPMENT. COMPUTERIZED RESOURCE & SENSITIVITY-MAPPING.

EATON RM : LORAN-NAVIGATION; CALIBRATION FOR ACCURATE LATTICE DRAWING AND POSITION CALCULATION. NAVSTAR GPS; CONTRACT SUPERVISION FOR INVESTIGATIONS IN POSITIONING ACCURACY AND SPECIAL MODIFICATIONS FOR HYDROGRAPHIC SURVEYING. ELECTRONIC CHART DISPLAY; INVESTIGATIONS IN TECHNICAL AND ORGANIZATIONAL ASPECTS OF SAFER NAVIGATION THROUGH COMPUTER GENERATED CHART DISPLAYS, WITH EMPHASIS ON PREPARING THE HYDROGRAPHIC DATA-BASE.

DATA-BASE

GHENT M : RISK AND HAZARD ASSESSMENT AND MONITORING. ENVIRONMENTAL-ASSESSMENT. METEOROLOGY. DATA-BASE SERVICES. OCCUPATIONAL-HEALTH AND SAFETY. ENGINEERING AND INDUSTRIAL PROCESS. INSTRUMENTATION AND LABORATORY SERVICES.
GULLON AC : CURRENTLY DEVELOPING DATA-BASE & PROGRAM TO MAKE IT POSSIBLE FOR CONSUMERS TO SELECTIVELY PATRONIZE ENVIRONMENTALLY FRIENDLY PRODUCTS AND CORPORATIONS.
LANE DA : PHOTODECOMPOSITION OF (PAH) DATA-BASE; POLYCYCLIC-AROMATIC-HYDROCARBONS. DESORPTION OF ORGANICS FROM PARTICULATE MATTER; TRACE AND ULTRA-TRACE ANALYSIS OF GAS AND PARTICULATE PHASE TOXIC-COMPOUNDS; MASS-SPECTROMETRY (MS); TRIPLE QUADRUPOLE MS; ATMOSPHERIC PRESSURE CHEMICAL IONIZATION MS; MOBILE MS.

DATA-BASES

HUNSINGER RB : MICRO CONTAMINANTS IN DRINKING-WATER (ASBESTOS, DIOXINS ETC.) INCLUDING SAMPLING METHODS & FATE WITHIN THE TREATMENT TRAIN & REMOVAL METHODS. DRINKING-WATER DATA-BASES (DWSP). DRINKING-WATER TREATMENT.
MARSHALL KE : INFORMATION RETRIEVAL SPECIALIST ESPECIALLY IN THE SUBJECT AREA OF AQUATIC-BIOLOGY (PARTICULARLY FRESHWATER). EXPERT IN THE USE OF ONLINE DATA-BASES IN THE RETRIEVAL OF INFORMATION IN THIS AREA.
OLSON MP : APPLICATION OF LAGRANGIAN (TRAJECTORY) LONG-RANGE-TRANSPORT-OF-AIR-POLLUTANTS MODEL TO NORTH AMERICAN, ARCTIC & SOME WESTERN EUROPEAN DOMAINS. MAINTAIN DATA-BASES FOR MODEL APPLICATIONS.
WINTER P : BIOMASS ENERGY DATA-BASES. BIOMASS. FUTURE TRENDS OF BIOMASS ENERGY. IMPACT OF TECHNOLOGY-TRANSFER. SOCIAL PSYCHOLOGICAL IMPACTS OF RENEWABLE-ENERGY.

DATA-MANAGEMENT

ELDER FC : RESEARCH MANAGEMENT IN AREAS RELATED TO ACID-PRECIPITATION EFFECTS ON AQUATIC SYSTEMS, PHYSICAL LIMNOLOGY AND WATER-RESOURCE DATA-MANAGEMENT, ENVIRONMENTAL AND WATER-RESOURCE MONITORING.
SLIWINSKI JF : FIRM SPECIALIZES IN PROVIDING ANALYTICAL SERVICES IN ENVIRONMENTAL CHEMISTRY OF GROUND, SURFACE & WASTEWATER, SOILS, SEDIMENTS, BIOTA & AIR SAMPLES AIR SAMPLES. CONDUCTS RESEARCH INTO IMPROVING MEASURING EQUIPMENT, METHODS, PROTOCOLS AND DATA-MANAGEMENT.

DDT

FERNET L : EFFETS DU DDT SUR INSECTES AQUATIQUES (ODONATES) EN GASPESIE.

DEBIT

BOBEE BJY : HYDROLOGIE STATISTIQUE; HYDROSTATISTIQUE; ANALYSE STATISTIQUE; METHODE STATISTIQUE DEBIT EAU; ECOULEMENT EAU; CRUE PARAMETRE HYDROLOGIQUE; HYDROPARAMETRE RESEAU HYDROMETRIQUE; RESEAU HYDROLOGIQUE ACQUISITION-DE-DONNEES; RESEAU LOI STATISTIQUE; DISTRIBUTION STATISTIQUE; PEARSON-III; MODELE HYDROLOGIE.
FORTIN JP : HYDROLOGIE; HYDROMETEOROLOGIE; PRECIPITATION; PLUIE; NEIGE; RUISSELLEMENT; DEBIT; ECOULEMENT; PHYSIOGRAPHIE; RIVIERE; BASSIN VERSANT; CRUE; INONDATION; TELEDETECTION EAU; SATELLITE EAU; INTEGRATION DES DONNEES; STATISTIQUE HYDROLOGIE; GESTION-EAU; PLANIFICATION-EAU; PREVISION EAU; DECISION EAU; PROTECTION EAU; CONTROLE-EAU; MODELE HYDROLOGIQUE; CEQUEAU MODELE; MODELE DETERMINISTE MAILLE-CARREAU; MODELE D AJUSTEMENT; PREVISION HYDROLOGIQUE; PREVISION ECOULEMENT; PREVISION TEMPS REEL; RESEAU HYDROLOGIQUE; PLUVIOMETRE; RADAR HYDROLOGIE; STATION-PLUVIOMETRIQUE; RESEAU RADAR METEOROLOGIE; PRECIPITATIONS-ACIDES; POLLUANTS-ATMOSPHERIQUES; TRANSPORT-A-LONGUE-DISTANCE; MODELE STATISTIQUE; DIFFUSION UNIDIMENSIONNEL; ANISOTROPIE-SPATIALE.
MORIN G : HYDROLOGIE; MODELE HYDROLOGIE; CEQUEAU MODELE; MODELE STOCHASTIQUE; PLUIE DEBIT; PLUIE RUISSELLEMENT; COMPOSANTE PRINCIPALE; ONDE-DE-CRUE; CRUE PREVISION; CRUE CONTROLE; MODELE EMPIRIQUE; QUALITE EAU; MODELE-MATHEMATIQUE; MODELE UNIDIMENSIONNEL; PARAMETRE HYDROLOGIQUE; HYDROPARAMETRE.

DEBORDEMENT-DE-RESEAUX

LAVALLEE P : ASSAINISSEMENT-EAU: METHODOLOGIE DE LA PROPAGATION DES EAUX-USEES DEVERSEES EN COURS D'EAU. EVALUATION DE LA QUALITE-DES-EAUX-USEES DE DEBORDEMENT-DE-RESEAUX UNITAIRES. CARACTERISATION DES EAUX-USEES: INFLUENCE SUR LE MILIEU RECEPTEUR ET LA STATION DE TRAITEMENT.

DECHETS

FOUQUET G : TELEDETECTION DES DECHETS, ECOTOXICOLOGIE. AMENAGEMENT DES TERRITOIRES, ASSAINISSEMENT-EAU ET GENIE-MUNICIPAL.

DECHETS

DECHETS-AGRICOLES

JAOUICH A : TERRES AGRICOLES CONTRAINTES GENERALES. PROPRIETES PHYSIQUES, CHIMIQUES, BIOLOGIQUES. PROBLEMES DE TRAITEMENT DE DECHETS-AGRICOLES, INDUSTRIELS ET URBAINS. SYSTEMES DE TRANSPORT ET ENTREPOSAGE DE SUBSTANCES-INFLAMMABLES.

DECHETS-DANGEREUX

BIENVENUE M : DETERMINATION DE LA TOXICITE D' EFFLUENTS ET DECHETS-DANGEREUX. DEVELOPPEMENT ET EVALUATION DE SYSTEME DE TRAITEMENT D' EFFLUENTS LIQUIDES ET SOLIDES. RECHERCHE SUR LA VALIDITE ET LA PERTINENCE DES METHODES D' EVALUATION. MESURE DE LA QUALITE DE L' AIR AMBIANT ET AU MILIEU DE TRAVAIL.

DECHLORINATION

KNETTIG E : ANAEROBIC BIODEGRADATION OF CHLOROPHENOLS. DECHLORINATION OF DIFFERENT ISOMERS & POSSIBLE MINERALIZATION. ACTIVATED CARBON ADSORPTION OF ORGANICS FOR TREATING WASTEWATER EFFLUENTS & DRINKING-WATER.

DEER

KUCERA E : MAMMALS AS INDICATORS OF ENVIRONMENTAL-QUALITY OR CONTAMINATION. MERCURY IN MINK & OTTER. HEAVY-METALS IN WILD MAMMALS. FLUORIDES IN DEER & SMALL MAMMALS. TRANSLATOR: CZECH, GERMAN, RUSSIAN, SLOVAK INTO ENGLISH; ENGLISH INTO CZECH, GERMAN.

DEFORESTATION

SCOTT GAJ : MAN'S IMPACT ON SOIL VEGETATION NUTRIENT SYSTEMS, PARTICULARLY THROUGH DEFORESTATION BY LOGGING OR SHIFTING CULTIVATION IN THE HUMID TROPICS & SUBTROPICS.

DELTAS

AKSU A E : PALEOCLIMATIC AND OCEANOGRAPHIC EVOLUTION OF THE LABRADOR-SEA AND BAFFIN-BAY DURING THE LAST 25 MA ODP (LEG 105) ARCTIC OCEAN CHRONOSTRATIGRAPHY. SEISMIC STRATIGRAPHY OF SMALL DELTAS IN MICROTIDAL SETTING (AEGEAN-SEA). SEDIMENTOLOGY AND GEOCHEMISTRY OF SALINE AND BITTER LAKES IN ANATOLIA. AMINO-ACID EPIMERIZATION IN FORAMINIFERA. SEDIMENTOLOGY AND SEISMIC STRATIGRAPHY OF FIORDS AND BAYS AROUND NEWFOUNDLAND. SEDIMENTOLOGY OF SHELF BASINS, SLOPE AND RISE TRANSITION.

DEMOGRAPHY

GAGNON D : VEGETATION ENVIRONMENT RELATIONSHIPS WITH APPLICATIONS TO FOREST-MANAGEMENT (REPLANTING), IN SOUTHWESTERN QUEBEC AND VANCOUVER-ISLAND, BRITISH-COLUMBIA. ECOLOGY AND DEMOGRAPHY OF PERENNIAL FOREST HERBS.

DENITRIFICATION

CHO CM : ENVIRONMENTAL-POLLUTION PROBLEMS RELATED TO THE USE OF AGRICULTURAL PRODUCTS SUCH AS FERTILIZERS PESTICIDES. STUDY ON THE DENITRIFICATION & TRANSPORT PROCESSES IN SOIL.

KNOWLES R : MICROBIOLOGICAL NITROGEN TRANSFORMATIONS IN THE ENVIRONMENT, INCLUDING N2-FIXATION, NITRIFICATION, DENITRIFICATION OF N OXIDES. AQUATIC AND TERRESTRIAL SYSTEMS.

MCKENNEY DJ : THE KINETICS OF DENITRIFICATION IN AGRICULTURAL AND FOREST-SOILS ARE MEASURED USING A GAS FLOW SYSTEM. MICROBIAL PRODUCTION AND LOSS OF NO3, NO2, NO, N2O AND N2 CAN BE MEASURED. EFFECTS OF VARIOUS AMENDMENTS TO THESE SOILS ARE EVALUATED.

DEOXYNIVALENOL

COTE LM : RESEARCH ON METABOLISM AND MODE OF ACTION OF MYCOTOXINS ESPECIALLY DEOXYNIVALENOL. SIMILAR WORK WITH PYRETHOIDS.

SCOTT PM : MYCOTOXINS; ANALYTICAL METHODS, EFFECTS OF FOOD-PROCESSING ON MYCOTOXINS & ISOLATION FROM FUNGI. DEOXYNIVALENOL (VOMITOXIN) & OTHER TRICHOTHECENES FROM FUSARIUM SPECIES; MYCOTOXINS FROM FUSARIUM-MONILFORME.

DEPOTOIRS

BOUCHARD R : CARTOGRAPHIE DES PARAMETRES ENVIRONNEMENTAUX DE L' ELEVAGE DU PORC A PARTIR D'UN SYSTEME D' INFORMATION A REFERENCE SPATIALE. CLASSIFICATION GENETIQUE DES CLIMATS DU SAGUENAY, LAC-ST-JEAN. L' AGRICULTURE A SAINTE-CATHERINE DE PORTNEUF: POLLUTANT DES SOURCES D' EAU-POTABLE. LES DEPOTOIRS DE NEIGE USEE DE CHICOUTIMI.
VAN COILLIE R : CHEMINEMENT ET TOXICITE SOUS-LETALE DES METAUX-LOURDS ET DES PESTICIDES DANS L' ENVIRONNEMENT-AQUATIQUE ET TERRESTRE REPERCUSSIONS DES PLUIES-ACIDES SUR LA FAUNE AQUATIQUE ECOTOXICOLOGIE DES DEPOTOIRS, BIOTECHNOLOGIES ENVIRONNEMENTALES.

DESULPHURIZATION

HANSEN KJ : WASTE-MANAGEMENT RELATED TO FLUE-GAS DESULPHURIZATION AND AIR-POLLUTION FROM COAL FIRE THERMAL ELECTRICAL POWER STATIONS.
MOON KS : SURFACE CHEMISTRY IN WASTEWATER CLEANING, DESULPHURIZATION OF COAL, MINERAL PROCESSING, FLOCCULATION, FILTRATION, DEWATERING, SETTLING AND DRYING; CRYSTAL CHEMISTRY IN SURFACTANT ADSORPTION AND DESORPTION; AND VARIOUS SOLUTION CHEMISTRY OF ORGANICS AND INORGANIC MATERIALS.

DET

ARNAC M : CONTAMINATION D' ORGANISMES MARINS PAR LES METAUX. BIOACCUMULATION DET DISTRIBUTION DANS LES TISSUS ET LES ORGANES. ASSOCIATION AVEC LES PROTEINES SOLUBLES.

DETOXIFICATION

FLETCHER GL : ZINC REGULATION IN MARINE FISH. DETOXIFICATION OF METALS SUCH AS CADMIUM IN FISH.
GUIOT SR : ANAEROBIC-WASTEWATER-TREATMENT. DEVELOPMENT OF ADVANCED REACTOR CONFIGURATIONS. MODELLING (STEADY STATE & DYNAMIC). EFFECT OF HYDRAULIC AND ORGANIC FACTORS ON THE SLUDGE GRANULATION INDUCTION. DETOXIFICATION (HEAVY METALS).
LEDUC G : AQUATIC TOXICOLOGY. ACUTE AND LONG-TERM TOXICITY OF CYANIDE TO FISH. GROWTH, SWIMMING, OSMOREGULATION, ETC. EFFECTS OF MODIFYING FACTORS OF TOXICITY: TEMPERATURE, SIZE OF FISH, CURRENT OF WATER, ETC. MODE OF ACTION AND DETOXIFICATION OF CYANIDE. BIOACCUMULATION OF THIOCYANIDE. EFFECTS ON THYROID-GLAND AND RELATED FUNCTIONS.
MASSEY TE : PULMONARY TOXICOLOGY: INVESTIGATING THE ROLES OF DIFFERENT LUNG & AIRWAY CELL TYPES IN THE TOXIFICATION & DETOXIFICATION OF ENVIRONMENTAL CHEMICALS.
TRENHOLM HL : TOXICOLOGY OF MYCOTOXINS IN ANIMAL FEEDS FOR LIVESTOCK AND POULTRY. METABOLISM OF MYCOTOXINS. DETOXIFICATION OF NATURAL CONTAMINANTS & TOXIC RESIDUES IN ANIMAL PRODUCTS.

DEVELOPING-COUNTRIES

BOSTON NEJ : PHYSICAL OCEANOGRAPHY; AIR & SEA INTERACTION AND TURBULENCE; MICROMETEOROLOGY OIL-SPILL CONTINGENCY-PLANNING; PLANNING AND EXECUTION OF INTERNATIONAL RESEARCH PROGRAMS: TEACHING OF UNDERGRADUATE GRADUATE OCEANOGRAPHY COURSES; DEVELOPMENT OF OCEANOGRAPHY PROGRAMS FOR DEVELOPING-COUNTRIES AND UNIVERSITIES. RESOURCE DATA-BASE DEVELOPMENT. COMPUTERIZED RESOURCE & SENSITIVITY-MAPPING.
DROSTE RL : THEORY AND DESIGN OF WATER AND WASTEWATER-TREATMENT SYSTEMS. APPROPRIATE TECHNOLOGIES FOR WATER-SUPPLY AND SANITATION IN DEVELOPING-COUNTRIES.
FORESTER AJ : METALS IN AQUATIC-ECOSYSTEMS. IMPACT OF AIR-POLLUTANTS ON HEALTH AND ENVIRONMENT, INCLUDING DEVELOPING-COUNTRIES. ENVIRONMENTAL-IMPACT OF NUCLEAR WARFARE. SCIENCE AND POLICY.

DEWATERING

ALLEN EAD : PHYSIOLOGY OF AQUATIC PLANTS. USE OF PLANTS FOR DEWATERING INDUSTRIAL TAILINGS THROUGH EVAPOTRANSPIRATION.
GALE JE : GROUNDWATER FLOW SYSTEMS IN FRACTURED AND FRACTURED POROUS MEDIA BASED ON FIELD AND NUMERICAL MODELLING STUDIES. PROJECTS INCLUDE (A) DEWATERING IN FRACTURED ROCK MASSES; (B) HYDROGEOLOGY OF FRACTURED ROCKS AS APPLIED TO MINERAL EXPLORATION AND TOXIC-WASTE DISPOSAL; (C) MEASURED VERSUS COMPUTED FRACTURE POROSITY, AND (D) CHARACTERIZING THE GEOMETRY AND MECHANICAL PROPERTIES OF FRACTURE SYSTEMS.
MOON KS : SURFACE CHEMISTRY IN WASTEWATER CLEANING, DESULPHURIZATION OF COAL, MINERAL PROCESSING, FLOCCULATION, FILTRATION, DEWATERING, SETTLING AND DRYING; CRYSTAL CHEMISTRY IN SURFACTANT ADSORPTION AND DESORPTION; AND VARIOUS SOLUTION CHEMISTRY OF ORGANICS AND INORGANIC MATERIALS.
OVEREND RP : INVESTIGATION OF POTENTIAL AND APPLICATIONS OF BIOMASS LIQUEFACTION AND FRACTIONATION FOR CHEMICALS AND ENERGY. PEAT MINING AND DEWATERING WITH ENVIRONMENTAL-IMPACT AND PROCESS IMPACT.

DIATOM

HECKY RE : PALEOLIMNOLOGY AND LIMNOLOGY OF AFRICAN GREAT LAKES; RESERVOIR LIMNOLOGY; PHYTOPLANKTON AND DIATOM ECOLOGY; AQUATIC PRIMARY PRODUCTIVITY; CYCLING AND BIOACCUMULATION OF MERCURY.

DIBENZOFURANS

BIRMINGHAM BC : DEVELOPMENT OF SCIENTIFIC CRITERIA DOCUMENTS FOR ENVIRONMENTAL STANDARDS MULTI-MEDIA APPROACH. TOXICOLOGICAL ASSESSMENT, ENVIRONMENTAL FATE MODELLING, RECEPTOR EXPOSURE MODELLING, RISK-ASSESSMENT. CHLORINATED DIOXINS & DIBENZOFURANS, PCBS, POLYNUCLEAR-AROMATIC-HYDROCARBONS & PESTICIDES.

CLEMENT RE : IMPROVED ANALYTICAL METHODS FOR THE QUALITATIVE & QUANTITATIVE ANALYSIS OF AIR, WATER, SOIL, BIOTA & INDUSTRIAL EFFLUENTS USING GAS-CHROMATOGRAPHY MASS-SPECTROMETRY. SPECIAL EMPHASIS ON ULTRA-TRACE ANALYSIS OF CHLORINATED DIBENZO-P-DIOXINS & CHLORINATED DIBENZOFURANS.

DICRANACEAE

IRELAND RR : TAXONOMY OF THE MOSSES, THE DICRANACEAE, HYPNACEAE, PLAZIOTHECIACEAE & STEREOPHYLLACEAE.

DIEBACK

HAVAS M : EFFECTS OF LOW PH AND METALS (A1, 2N, NI, FE, CA, ETC) ON SURVIVAL, REPRODUCTION, SODIUM REGULATION CHEMICAL-COMPOSITION OF AQUATIC INVERTEBRATES FROM BOTH ARCTIC (SMOKING HILLS, NWT) AND TEMPERATE REGIONS. METAL CONTENT AND LOCALIZATION IN AQUATIC MACROPHYTES. EFFECTS OF ALUMINUM ON SUGAR-MAPLE DIEBACK.

DIESEL

BOSSERT JA : EXPLOSIVE ATMOSPHERES CONSISTING OF GASES, VAPOUR AND DUSTS IN AIR; FIRE RESISTANCE OF MATERIALS USED IN CONFINED LOCATIONS (UNDERGROUND MINES), TOXIC EFFECTS OF DIESEL EXHAUST IN CONFINED LOCATIONS & DIESEL EXHAUST TREATMENT DEVICES.

DAINTY ED : DEVELOPMENT OF DIESEL EMISSION REDUCTION DEVICES FOR USE ON UNDERGROUND MINING VEHICLES (SUCH AS FILTERS AND SCRUBBERS), PROMOTION OF RATIONAL DIESEL EMISSIONS TOXICITY CRITERION FOR UNDERGROUND VENTILATION PRESCRIPTION, AND PROMOTION OF THIS CRITERION (AIR-QUALITY INDEX; AQI) FOR RATIONAL SELECTION OF ENGINES AND REDUCTION DEVICES FOR USE UNDERGROUND AND IN OTHER CONFINED ENVIRONMENTS WHERE DIESEL ENGINES ARE EMPLOYED. AMBIENT MONITORING OF DIESEL POLLUTANTS.

WONG JKS : RECIPROCATING ENGINES. ALTERNATE FUELS FOR EXISTING TYPICAL AUTOMOTIVE ENGINES AND EFFECTS OF PHYSICAL-PROPERTIES OF DIESEL FUEL ON DIESEL ENGINES PERFORMANCE; INVESTIGATION OF EXHAUST EMISSIONS USING THE NEW FUELS.

DIETARY

DABEKA WR : ANALYSIS FOR TRACE-ELEMENTS, TOXIC ELEMENTS; LEAD CADMIUM, ARSENIC, TIN, FLUORIDE, MERCURY; FOOD DIETARY INTAKES; ANALYTICAL WATER. INSTRUMENTAL EXPERTISE: GRAPHITE FURNACE ATOMIC, ABSORPTION SPECTROMETRY.

DIFFUSERS

KOHLI B : PHYSICAL LIMNOLOGY; HYDRODYNAMIC-MODELLING & WATER-QUALITY SIMULATION, SEDIMENT. TRANSPORT, DISPERSION & DIFFUSION PROCESSES. ASSESSMENTS AND OPTIMIZATION OF SEWAGE OUTFALL (SUBMERGED DIFFUSERS) AND WATER INTAKE. LAKE HARBOUR EXCHANGE PROCESSES.

DIMETHYL-SULFIDE

HOLDWAY DA : FISH-TOXICOLOGY: CHRONIC & ACUTE EFFECTS OF PESTICIDES (METHOXYCHLOR, PERMETHRIN), HERBICIDES (GLYPHOSATE), & METALS (VANADIUM) ON SURVIVAL, GROWTH & REPRODUCTION OF FLAGFISH & WHITE SUCKERS; EFFECTS ON BRAIN NEUROTRANSMITTERS & BIOENERGETICS. DEVELOPED TECHNIQUE FOR MEASURING DIMETHYL-SULFIDE AT PARTS PER TRILLION LEVELS IN FRESHWATER.

DIOXINS

DIOXINS

BIRMINGHAM BC : DEVELOPMENT OF SCIENTIFIC CRITERIA DOCUMENTS FOR ENVIRONMENTAL STANDARDS MULTI-MEDIA APPROACH. TOXICOLOGICAL ASSESSMENT, ENVIRONMENTAL FATE MODELLING, RECEPTOR EXPOSURE MODELLING, RISK-ASSESSMENT. CHLORINATED DIOXINS & DIBENZOFURANS, PCBS, POLYNUCLEAR-AROMATIC-HYDROCARBONS & PESTICIDES.
DAVIDSON WR : MANAGER OF RESEARCH AND DEVELOPMENT INCLUDING METHOD AND APPLICATION DEVELOPMENT ORIENTED TOWARDS THE ENVIRONMENTAL MARKET. AREAS OF CURRENT INTEREST INCLUDE DIOXINS, PESTICIDES, PRIORITY POLLUTANTS AND TOXICS IN AIR: IN ALL CASES, TANDEM MASS-SPECTROMETRY IS USED AS THE ANALYTICAL TOOL.
GRANT DL : EXPERTISE IN THE TOXICOLOGICAL EVALUATION OF PCBS AND DIOXINS.
HUNSINGER RB : MICRO CONTAMINANTS IN DRINKING-WATER (ASBESTOS, DIOXINS ETC.) INCLUDING SAMPLING METHODS & FATE WITHIN THE TREATMENT TRAIN & REMOVAL METHODS. DRINKING-WATER DATA-BASES (DWSP). DRINKING-WATER TREATMENT.
LUSIS MA : ACIDIC-DEPOSITION (WET & DRY). TOXICS DEPOSITION (PCBS, PESTICIDES, PAHS, DIOXINS). OXIDANTS. ATMOSPHERIC-CHEMISTRY & DISPERSION. MATHEMATICAL-MODELLING OF LRTAP.

DISEASE

BROUGHTON E : WILDLIFE STUDIES: HEALTH STATUS OF POPULATIONS AND INVESTIGATION OF DISEASE OUTBREAKS. CHEMICAL RESTRAINT OF WILDLIFE. DEVELOPMENT OF GUIDELINES FOR TRANSPORTATION OF WILDLIFE. ASSESSMENT OF FACILITIES.
CANTOR ED : NOSOCOMIAL INFECTIONS, INFECTIOUS DISEASE EPIDEMICS, INTOXICATIONS ETC. HEALTH RELATED ENVIRONMENTAL INVOLVEMENT IN EPIDEMIC OUTBREAKS.
COOK RH : AQUACULTURE DEVELOPMENT (ATLANTIC SALMON, AMERICAN LOBSTER, SEA SCALLOPS) GROWTH & REPRODUCTIVE PHYSIOLOGY, DISEASE & NUTRITION, DIET FORMULATIONS, METHODS OF DISEASE-PREVENTION, GENETICS. POLLUTION EFFECTS ON FISH: ECOLOGICAL STUDIES, SUBLETHAL BIOLOGICAL EFFECTS, METHODS, DETECTION & ANALYSIS OF TRACE ORGANIC & INORGANIC TOXIC-CHEMICALS.
EASTMAN DS : HABITAT RELATIONSHIPS OF WILDLIFE & THE IMPACT OF FORESTRY & OTHER RESOURCE USE ACTIVITIES ON THEM. POPULATION RELATED ASPECTS OF WILDLIFE SUCH AS PREDATION, DISEASE & COMPETITION.
EDGINGTON LV : TRANSLOCATION & FATE OF FUNGICIDES IN PLANTS & DEGRADATION IN SOIL. EFFICACY OF FUNGICIDES FOR CONTROL OF DISEASE. RELATION OF CHEMICAL STRUCTURE TO SELECTIVITY OF FUNGICIDES FOR CERTAIN TAXONOMIC GROUPS OF FUNGI.
JORGENSEN E : SILVICULTURE, ARBORICULTURE AND AGROFORESTRY WITH AN EMPHASIS ON URBAN FORESTRY SPECIES SELECTION, CULTURAL TECHNIQUES AND DISEASE CONTROL.
LEE EGH : MUTAGENICITY OF ENVIRONMENTAL-CONTAMINANTS INVESTIGATED USING THE AMES-SALMONELLA-ASSAYS. FISH DISEASE DIAGNOSTIC SERVICES FOR BACTERIAL KIDNEY DISEASE & INFECTIOUS HEMATOPOIETIC-NECROSIS TEST. BIOPOLYMER PRODUCTION FROM METHANOL FERMENTATION.
MCKENZIE RIH : WHEAT BREEDING, GENETICS. THE DEVELOPMENT OF BETTER AND MORE DISEASE RESISTANT WHEAT FOR THE EASTERN CANADIAN PRAIRIES.
MURTHA PA : REMOTE-SENSING & PHOTO INTERPRETATION: APPLICATION OF AERIAL-PHOTOGRAPHY, MULTISPECTRAL SCANNER, IMAGERY AND SATELLITE DATA FOR VEGETATION DAMAGE ASSESSMENT (INSECTS, DISEASE, AIR-POLLUTION) OR LAND-CLASSIFICATION AND TERRAIN ANALYSIS: COLOUR-INFRARED PHOTOGRAPHS; PC BASED IMAGE-ANALYSIS LANDSAT.
TODD ECD : FOOD BORNE DISEASE REPORTING & INVESTIGATION, COSTS OF FOOD BORNE DISEASE; SIGNIFICANCE OF TEMPERATURE FOR MICROBIAL GROWTH. PUBLIC HEALTH ASPECTS OF POULTRY PROCESSING, BARBECUED CHICKENS, CHEESE, CREAM PIES AND DONAIRS.
WHITNEY RD : DAMAGE-APPRAISAL, CAUSAL FUNGI SITE RELATIONSHIPS OF ROOT DISEASES OF CONIFEROUS TREES. CANADIAN ECTOMYCORRHIZAE. PATHOGENICITY OF POLYPORUS-TOMENTOSUS. ACID-RAIN: DISEASE RELATIONSHIPS IN CONIFERS.

DISEASES

BRUCE WR : RELATION BETWEEN DIET AND COLON AND BREAST CANCER AND THE POSSIBILITY OF PREVENTING THESE DISEASES.
LETARTE R : QUALITY CONTROL OF WATER. SAFETY FOR HEALTH OF BIOLOGICAL PRODUCTS USED AGAINST PLANT DISEASES.
MANKIEWICZ E : MICROBACTERIA: DIAGNOSIS OF INFECTIONS, TREATMENT, CLASSIFICATION OF MICROORGANISMS, PHAGETYPING FUNGI: DEEP MYCOTIC INFECTIONS. SEXUALLY-TRANSMITTED DISEASES: ORGANIZATION OF OUT PATIENT CLINICS, MICROBIOLOGICAL DIAGNOSIS, TREATMENT, PREVENTION (TEACHING).
MARGOLIS L : DISEASES AND PARASITES OF FISHES. PARASITES OF MARINE MAMMALS AND INVERTEBRATES. EFFECTS OF ENVIRONMENTAL ALTERATION ON PARASITES AND DISEASES OF AQUATIC ANIMALS. PARASITES AS BIOLOGICAL TAGS FOR FISH POPULATIONS.
PIENING L : CHEMICAL AND BIOLOGICAL CONTROL OF CEREAL DISEASES. BACTERIAL DISEASES OF WHEAT.
SCOTT JS : GROUNDFISH SURVEYS OF SCOTIAN SHELF. ABUNDANCE, DISTRIBUTION & ECOLOGY OF GROUNDFISH. PARASITES & DISEASES OF MARINE FISH. PARASITE-ECOLOGY.
SHAH BG : MACRO MINERALS AND MICRO MINERALS. ANALYSIS OF IN FOODS AND TISSUES, BIOAVAILABILITY, METABOLISM, INTERACTIONS, ROLE IN CHRONIC HUMAN DISEASES.

DISEASES

WHITNEY NJ : MARINE FUNGI: TAXONOMY; METABOLIC PRODUCTS FROM INTERFERENCE COMPETITION; FUNGAL ECOLOGY IN THE MARINE-ENVIRONMENT; ANTIBIOTIC-COMPOUNDS FROM MARINE FUNGI; FUNGAL DISEASES OF FISH. FOREST FUNGI: EPIPHYTIC & ENDOPHYTIC FUNGAL METABOLITES TOXIC TO SPRUCE-BUDWORM. PLANT PATHOLOGY: NEEDLE-CASTS OF CONIFERS.

WHITNEY RD : DAMAGE-APPRAISAL, CAUSAL FUNGI SITE RELATIONSHIPS OF ROOT DISEASES OF CONIFEROUS TREES. CANADIAN ECTOMYCORRHIZAE. PATHOGENICITY OF POLYPORUS-TOMENTOSUS. ACID-RAIN: DISEASE RELATIONSHIPS IN CONIFERS.

WIGLE DT : EPIDEMIOLOGY OF CANCER, BIRTH-DEFECTS & OTHER CHRONIC DISEASES.

DISINFECTANTS

HUCK PM : TREATMENT OF DRINKING-WATER (ORGANIC CONTAMINANTS ALTERNATIVE DISINFECTANTS, ACTIVATED CARBON). TREATMENT OF URANIUM MINING & MILLING WASTES (DEVELOPMENT OF A NEW PROCESS FOR RADIUM REMOVAL).

WALLBANK AM : ANTISEPTICS, DISINFECTANTS, VIRUCIDES, BIOCIDES, SPORICIDES, Q-FEVER-COXIELLA BURNETII AS BIOHAZARDS, AND DECONTAMINATION OF ENDOSCOPES.

DISINFECTION

BIRKBECK AE : CHARACTERISATION & TREATMENT OF LANDFILL LEACHATE, ODOUR CONTROL AT LANDFILLS. INDUSTRIAL & MUNICIPAL WASTEWATER-TREATMENT, RECLAMATION & RECIRCULATION FOR FISH HATCHERIES. DESIGN & EVALUATION OF SMALL DISINFECTION UNITS, CHLORINE, OZONE & ULTRAVIOLET.

FINCH GR : RESEARCH IN WASTEWATER-TREATMENT TECHNOLOGIES. EXPERTISE IN WASTEWATER LAGOON DESIGN, OPERATION & MAINTENANCE. TERTIARY TREATMENT OF WASTEWATER WITH OZONE, ESPECIALLY DISINFECTION MODELLING.

SMITH DW : OZONE TREATMENT OF WATER AND WASTEWATER. COLD REGIONS ENVIRONMENTAL-ENGINEERING. SCALE UP OF WATER AND WASTEWATER-TREATMENT PROCESSES. DISINFECTION. MIXING AND MICROORGANISMS IN RIVERS.

DISOLYANATES

YOSHIDA K : HOSPITAL ENVIRONMENTAL HEALTH. APPLICATOR EXPOSURE TO PESTICIDES. HOSPITAL WORKER EXPOSURE TO ANTI NEOPLASTIC DRUGS. HOSPITAL WORKER EXPOSURE TO ETHYLENE-OXIDE. INDOOR AIR-POLLUTION & HEALTH EFFECTS. WORKER EXPOSURE TO DISOLYANATES IN AUTO BODY REPAIR SHOPS.

DISPERSANTS

DESNOYERS JE : PROPRIETES THERMODYNAMIQUES DES TENSIOACTIFS ET COTENSIOACTIFS. PROPRIETES DES EMULSIONS. DISPERSION DES HUILES DANS L' EAU DE MER. CARACTERISATION DES DISPERSANTS.

GALAND JL : PRODUITS CHIMIQUES POUR TRAITEMENT DE L' EAU-DE-BOUES ET DES ECUMES. SELS-D'ALUMINIUM. POLYELECTROLYTES. DISPERSANTS. SILICE ACTIVEE.

LEE K : EVALUATION & DESIGN OF METHODS TO ENHANCE THE BIODEGRADATION OF PETROLEUM IN THE MARINE ENVIRONMENT. EFFECTS OF OIL DISPERSANTS ON MICROORGANISMS (BACTERIA & PHYTOPLANKTON). EFFECTS OF VANADIUM ON PHYTOPLANKTON PHYSIOLOGY & ECOLOGY.

MCKEOWN BA : ENVIRONMENTAL TOXICANTS OF FISH. HEAVY-METALS (ZINC, MERCURY, ALUMINUM), OIL, OIL DISPERSANTS, PESTICIDES, ACID-PRECIPITATION.

TEDESCHI ETT : DESIGN AND MANUFACTURE OF OIL-SPILL RESPONSE SYSTEMS. SELECTION OF BOOMS, SKIMMERS, SORBENTS, DISPERSANTS AND DELIVERY SYSTEMS TO MEET SPECIFIC SPILL SCENARIOS OF CONCERN TO CUSTOMER.

DISPOSAL

ASHBROOK AW : CORPORATE ENVIRONMENT AFFAIRS. ENVIRONMENTAL AND WASTE-MANAGEMENT POLICY, STRATEGY AND ANALYSIS IN URANIUM MINING, MILLING AND REFINING. DECOMMISSIONING AND CLOSE-OUT OF MINE/MILL FACILITIES; DECOMMISSIONING AND RECLAMATION OF LOW-LEVEL RADIOACTIVE-WASTE MANAGEMENT SITES. WASTE UTILIZATION AND DISPOSAL. R&D STUDIES.

BARNARD JW : DEVELOPMENT OF COMPUTER MODELS OF THE BIOSPHERE TO ASSIST IN ENVIRONMENTAL & SAFETY ASSESSMENT OF RADIOTOXIC & CHEMICALLY TOXIC-WASTE DISPOSAL. PATHWAYS ANALYSES. IMPACT STATEMENTS & ENVIRONMENTAL SCREENING DOCUMENTS FOR WASTE STORAGE & DISPOSAL. LICENSING OF NEW FACILITIES.

BAWEJA AS : WATER-QUALITY GUIDELINES & CRITERIA; RADIOACTIVITY IN WATER; DISPOSAL OF RADIOACTIVE-WASTES, ESPECIALLY URANIUM TAILINGS & REACTOR SPENT FUEL; SOIL-CHEMISTRY & MINERALOGY; TROPICAL SOILS MANAGEMENT.

BEWERS JM : GEOCHEMISTRY OF TRACE-METALS IN THE MARINE ENVIRONMENT. HALOGEN GEOCHEMISTRY. RADIOACTIVITY ANALYSIS. RESEARCH RELATED TO DISPOSAL OF RADIOACTIVE-WASTE IN THE OCEAN INCLUDING ENVIRONMENTAL SURVEILLANCE PROGRAMS.

BRANDES M : ONSITE WASTEWATER-TREATMENT OF DISPOSAL SYSTEMS.

CASEY PJ : ON-SITE SEWAGE DISPOSAL (ALL ASPECTS). WATER-SUPPLY (REGULATORY). SEWAGE COLLECTION & DISPOSAL (CENTRAL) (REGULATORY).

DISPOSAL

CHOMYN BA : GEOLOGY AND GEOCHEMISTRY OF DEEP ROCK DISPOSAL OF HIGH LEVEL RADIOACTIVE-WASTE; MAGNETIC SUSCEPTIBILITY, MEASUREMENTS RELATIVE TO ROCK COMPOSITION AT DEPTH. PREDICTION OF THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH URANIUM TAILINGS WITH TIME MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK BEING EXTENDED TO OTHER TYPES OF TAILINGS.

CULLEY JLB : FARM WASTE-MANAGEMENT INCLUDING STORAGE & DISPOSAL. SOIL QUALITY & PRODUCTIVITY AS AFFECTED BY CROPPING PRACTICES.

GALE JE : GROUNDWATER FLOW SYSTEMS IN FRACTURED AND FRACTURED POROUS MEDIA BASED ON FIELD AND NUMERICAL MODELLING STUDIES. PROJECTS INCLUDE (A) DEWATERING IN FRACTURED ROCK MASSES; (B) HYDROGEOLOGY OF FRACTURED ROCKS AS APPLIED TO MINERAL EXPLORATION AND TOXIC-WASTE DISPOSAL; (C) MEASURED VERSUS COMPUTED FRACTURE POROSITY, AND (D) CHARACTERIZING THE GEOMETRY AND MECHANICAL PROPERTIES OF FRACTURE SYSTEMS.

GANCZARCZYK JJ : APPLICATION OF ACTIVATED SLUDGE PROCESS FOR TREATMENT OF SEWAGE & INDUSTRIAL-EFFLUENTS, INHIBITION OF NITRIFICATION, PHYSICAL BEHAVIOUR OF BIOLOGICAL FLOCS, ROLE OF SOLID SURFACE IN SUSPENDED GROWTH TREATMENT, ESTIMATION OF BIOMASS PRODUCTION & HAZARDOUS WASTE-TREATMENT & DISPOSAL.

GNYP AW : STACK, AMBIENT AND IN-PLANT SAMPLING AND CONTINUOUS MONITORING FOR PARTICULATE AND GASEOUS POLLUTANTS: PARTICLE-SIZING: ODOUR MEASUREMENT AND CONTROL: DESIGN OF CONTROL EQUIPMENT FOR GASEOUS PARTICULATE AND ODOUROUS POLLUTANTS: LONG AND SHORT RANGE ATMOSPHERIC TRANSPORT: SOLID-WASTE DISPOSAL.

HRUDEY SE : INDUSTRIAL WASTE-MANAGEMENT, PETROLEUM, ORGANIC CHEMICAL, OIL-SANDS, FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION CONTROL; WATER RECLAMATION AND REUSE; HAZARDOUS TOXIC-WASTE, MANAGEMENT, DISPOSAL; INDUSTRIAL BIOTECHNOLOGY; ANAEROBIC TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT; RISK-ASSESSMENT; HAZARD IDENTIFICATION CONTROL.

KARAU JH : NATIONAL MANAGER OF THE OCEAN DUMPING CONTROL ACT (ODCA) PROGRAM WHICH REGULATES THE DISPOSAL OF WASTES AT SEA THROUGH A SYSTEM OF PERMITS.

LIU D : ENVIRONMENTAL-TOXICOLOGY, PARTICULARLY TOXICITY & BIODEGRADATION ASSESSMENT; WATER-QUALITY STANDARDS; BIOTECHNOLOGY APPLICATION IN WASTE-TREATMENT & DISPOSAL.

LORBERG EF : ANALYSIS OF PROPOSED SCHEMES FOR DISPOSAL OF LIQUID-WASTE INTO DEEP FORMATIONS, WESTERN SEDIMENTARY BASIN WITH RESPECT TO CONSERVATION OF NATURAL-RESOURCES, MAINLY GROUNDWATER AND PROTECTION OF THE ENVIRONMENT.

MACKNIGHT SD : IMPACTS OF DREDGING AND DREDGED MATERIAL DISPOSAL DISPOSAL OF DRILLING MUDS AND FLUIDS; DISPOSAL IN OCEANS; ESTUARINE CHEMISTRY; CHEMICAL OCEANOGRAPHY; BIOAVAILABILITY OF METALS; SEDIMENT WATER INTERACTIONS.

MCKYES E : SOIL MECHANICS FOR AGRICULTURAL ENGINEERING INCLUDING SOIL-CUTTING ANALYSES, THEORIES OF SOIL-CUTTING AND TILLAGE, TILLAGE TOOL DESIGN, FOUNDATIONS. DIGESTION, SEPARATION & LAND DISPOSAL OF ORGANIC-WASTES. MACHINE DESIGN.

NEILSON JM : MINERAL EXPLORATION. MINE DEVELOPMENT. MINE-TAILINGS DISPOSAL. SOLID & LIQUID-WASTE DISPOSAL. REGENERATION OF MINED AREAS. REVEGETATION: TEMPERATE & TROPICAL. SURFACE & SUBSURFACE POLLUTION. ACID-RAIN RESEARCH (CANADA & NORWAY). WELL DRILLING: SUBSURFACE WATER-SUPPLY.

ODA A : PREPARE GUIDELINES FOR TREATMENT & DISPOSAL OF SOLID ORGANIC-WASTES ON AGRICULTURAL LANDS. DEVELOP EXPERTISE ON WASTE-MANAGEMENT TECHNIQUES RELATED TO PHYSICAL & CHEMICAL TREATMENT, SOLIDIFICATION, MEMBRANE SEPARATION ETC. INVESTIGATE METHODS FOR THE MANAGEMENT OF LEACHATE FROM MUNICIPAL LANDFILL SITES.

RIPPON RE : HYDROLOGICAL SITE INVESTIGATIONS FOR DEVELOPMENT OF MUNICIPAL SOLID-WASTE DISPOSAL SITES.

SIMPSON F : POROSITY PERMEABILITY VARIATION IS RELATED TO LITHOLOGIC ASSOCIATIONS AND SEDIMENTARY STRUCTURE IN SEARCH RATIONALES, APPLIED TO RESERVOIR DEVELOPMENT IN EXPLOITATION OF HYDROCARBONS AND DEEP-WELL DISPOSAL OF FLUID, INDUSTRIAL-WASTES.

SLY PG : GEOLOGY OF LARGE LAKE SYSTEMS, SEDIMENT WATER INTERACTIONS INCLUDING TOXIC & NUTRIENT CONTAMINANTS, DREDGING & MATERIAL DISPOSAL, SEDIMENT EROSION, DEPOSITION & TRANSPORT. AQUATIC HABITATS & SEDIMENT BIOTA (INVERTEBRATE & FISH) INTERACTIONS.

TORRENUEVA AL : MONITORING ENVIRONMENTAL-IMPACT ASSOCIATED WITH CONSTRUCTION & OPERATION OF ELECTRIC GENERATING STATIONS (THERMAL, HYDRAULIC & NUCLEAR). NUCLEAR). RESEARCH ON THE EFFECTS OF ACID-DEPOSITION & OTHER AIR-POLLUTANTS ON BIOLOGICAL SYSTEMS. REVEGETATION OF ASH DISPOSAL AREAS.

TOWNSHEND AR : COLD CLIMATE NORTHERN & RURAL ENVIRONMENTAL ENGINEERING TECHNOLOGIES FOR THE PROTECTION OF THE ENVIRONMENT & QUALITY OF LIFE; TECHNOLOGIES FOR WATER SOURCE DEVELOPMENT & TREATMENT, WATER CONSERVATION, WASTEWATER-TREATMENT & DISPOSAL, SOLID-WASTE MANAGEMENT & ENERGY-CONSERVATION.

VIRARAGHAVAN T : WATER AND WASTEWATER-TREATMENT; ON-SITE WASTEWATER-TREATMENT AND DISPOSAL; ANAEROBIC-WASTEWATER-TREATMENT; WATER-POLLUTION ASPECTS.

WALLER DH : URBAN STORMWATER QUALITY AND QUANTITY. NON-POINT SOURCE POLLUTION. URBAN RESEARCH WATERSHEDS. RAIN-WATER CISTERN SYSTEMS. ON-SITE SEWAGE DISPOSAL.

WAN JKS : DISPOSAL OF CHEMICAL WASTE BY NOVEL MICROWAVE INDUCED CATALYTIC TECHNIQUES; DESTRUCTION OF PCBS. SOME OF OUR WORK HAS BEEN PUBLISHED IN OPEN AND PATENT LITERATURE. CURRENT RESEARCH USING THE MICROWAVE INDUCED CATALYTIC TECHNIQUES INCLUDES THE REMOVAL OF SULPHUR GASES IN INDUSTRIAL ENVIRONMENT.

WEAVER RS : MANAGEMENT OF RESEARCH IN THE FOLLOWING AREAS: AIR, WATER AND SOIL-ANALYSES; EFFECTS OF ENVIRONMENTAL-CONTAMINANTS IN AIR, WATER AND SOIL ON PLANTS, WILDLIFE AND DOMESTIC ANIMALS, AQUATIC VERTEBRATES AND INVERTEBRATES, AND MICRO-ORGANISMS; HAZARDOUS-WASTE DISPOSAL.

DISPOSAL

WILSON MA : MANAGES RESEARCH AND DEVELOPMENT PROJECTS ON POLLUTION-CONTROL TECHNOLOGY; SPECIFICALLY IN WATER AND WASTEWATER-TREATMENT, WASTE-MANAGEMENT AND ATMOSPHERIC EMISSION CONTROL. AREAS OF WORK INCLUDE PULP-AND-PAPER, SOUR-GAS AND HAZARDOUS-WASTE DISPOSAL.
YONG RN : RESEARCH INVOLVES ENVIRONMENTAL-AUDITING PERTAINING TO HAZARDOUS-WASTE DISPOSAL AND MANAGEMENT. RESEARCH THEMES ADDRESSED INCLUDE CONTAMINANT MIGRATION MODELLING IN SOILS, SOIL DECONTAMINATION, TOXICITY ASSESSMENT, CONTAMINANT BIODEGRADATION, LAND FARMING, REMEDIAL MEASURES, SOIL BIOTECHNOLOGY.
YOUNG M : BACTERIAL POLLUTION OF SURFACE-WATERS & SEDIMENTS FROM FECAL (URBAN & RURAL) & INDUSTRIAL SOURCES: ANALYSIS & INTERPRETATION. DISPOSAL OF PATHOLOGICAL WASTE.

DNA

DRUEHL LD : KELP: DEVELOPMENT OF MARICULTURAL SYSTEMS; REPRODUCTIVE BIOLOGY; RECOMBINANT DNA STUDIES.
FAULKNER P : MOLECULAR GENETICS OF INSECT BACULOVIRUSES. PHYSICAL MAPPING OF BACULOVIRUS GENOMES. USE OF THE BACULOVIRUS AS AN EXPRESSION VECTOR OF FOREIGN DNA. MOLECULAR BASIS OF VIRUS VIRULENCE AND HOST RANGE.
KILBURN DG : LARGE SCALE CULTURE OF ANIMAL CELLS. PRODUCTION OF INDUSTRIAL ENZYMES (E.G. CELLULOSE) BY DNA TECHNOLOGY.
PITEL JA : PHYSIOLOGY & BIOCHEMISTRY OF SEED GERMINATION, SEED DORMANCY & SEED STORAGE PROBLEMS OF FOREST TREE SPECIES. STUDIES ON DNA: STRUCTURE & FUNCTION OF ORGANELLAR & NUCLEAR DNA. DNA CLONING, SEQUENCING ETC.

DOCUMENTATION

DONNAN J : ACID-RAIN SOCIO-ECONOMIC RESEARCH PROGRAM CONSISTING OF DAMAGES & BENEFITS; COST OF ABATEMENT & MITIGATION; TOOLS FOR EVALUATION & POLICY DEVELOPMENT. INTEGRATION OF NATURAL & SOCIAL SCIENCE DATA TO DEVELOP POLICY RELEVANT DOCUMENTATION. MODELLING OF ACIDIFICATION EFFECTS.
GOBEIL L : CENTRE D'INFORMATION, DE REFERENCE ET DE DOCUMENTATION SUR LES PRECIPITATIONS-ACIDES. PRODUCTION DE LA BANQUE-BIBLIOGRAPHIQUE AUTOMATISEE ACIDOC ACCESSIBLE VIA 1ST INFORMATEQUE INC ET LOGICIEL QUESTEL PLUS. PUBLICATION DE PROPOS ACIDES, BULLETIN TRIMESTRIEL D'INFORMATION.
GODBOUT G : BIBLIOGRAPHIES; DOCUMENTATION; INFORMATION SCIENTIFIQUE; TELEREFERENCE; REFERENCE; RENSEIGNEMENT TECHNIQUE; BANQUE-BIBLIOGRAPHIQUE AUTOMATISEE; ENVIRONNEMENT EAU; RESSOURCE EAU; ENVIRONNEMENT-AQUATIQUE; EAU RESSOURCE; ECOLOGIE EAU; ECOLOGIE-AQUATIQUE; HYDROLOGIE; LIMNOLOGIE; ASSAINISSEMENT-EAU; TRAITEMENT-EAUX-USEES.
NOBREGA G : DOCUMENTATION, RENSEIGNEMENT, TELEREFERENCE EN ENVIRONNEMENT. PRODUCTEUR DE LA BANQUE-BIBLIOGRAPHIQUE AUTOMATISEE ENVIRONMENTALE SUR L' INVENTAIRE BIOPHYSIQUE DU QUEBEC. RESPONSABLE CENTRE DE DOCUMENTATION.
SANDERSON HP : ENVIRONMENTAL-HEALTH; ATMOSPHERIC-CHEMISTRY: ORGANIC & INORGANIC; OCCUPATIONAL-HEALTH & WORK ENVIRONMENT. CRITERIA DOCUMENTATION, STANDARDIZATION, METHODOLOGY, ETC.

DORMANCY

GLERUM C : TREE PHYSIOLOGY WITH EMPHASIS ON FROST HARDINESS & DORMANCY & RELATED TO QUALITY OF PLANTING STOCK WHICH WILL MAXIMIZE REGENERATION EFFORT & ENHANCE FIBRE PRODUCTION.
PITEL JA : PHYSIOLOGY & BIOCHEMISTRY OF SEED GERMINATION, SEED DORMANCY & SEED STORAGE PROBLEMS OF FOREST TREE SPECIES. STUDIES ON DNA: STRUCTURE & FUNCTION OF ORGANELLAR & NUCLEAR DNA. DNA CLONING, SEQUENCING ETC.

DOWN'S-SYNDROME

UCHIDA IA : EFFECT OF DIAGNOSTIC RADIATION OF THE ABDOMEN ON CHROMOSOME SEGREGATION, SPECIFICALLY OF MOTHERS OF DOWN'S-SYNDROME CHILDREN & SPONTANEOUS ABORTIONS. THE MOUSE IS USED AS THE ANIMAL MODEL.

DOXINES

PAULIN G : INVENTAIRE DE DOXINES & FURANNES, EFFETS SUR LA SANTE, INVENTAIRE SUR LES COMPOSES-ORGANIQUES-VOLATILS; ETUDES SUR LES HYDROCARBURES-POLYNUCLEAIRES-AROMATIQUES, ETUDES SUR LE BRUIT-COMMUNAUTAIRE, EVOLUTION DE LA QUALITE DE L' AIR AU QUEBEC, EFFET DU CHAUFFAGE-AU-BOIS.

DRAINAGE

ADAMS BJ : WATER-RESOURCES SYSTEMS ANALYSIS: PLANNING, DESIGN, OPERATION AND MANAGEMENT; WATER-QUALITY MANAGEMENT; REGIONAL WASTEWATER MANAGEMENT; APPLICATIONS OF SYSTEMS ANALYSIS (STATISTICAL, SIMULATION, AND OPTIMIZATION) TECHNIQUES TO ENVIRONMENTAL SYSTEMS; RESERVOIR ANALYSIS; HYDROLOGIC MODELLING; STORMWATER MANAGEMENT; FLOOD CONTROL AND DRAINAGE; IRRIGATION; HYDROLOGIC & METEOROLOGIC DATA-ANALYSIS URBAN WATER SYSTEMS.

BEKE GJ : STUDIES TO DETERMINE CAUSES & CONTROL OF DRY LAND SALINITY; CROPPING PRACTICES & SUBSURFACE DRAINAGE.

BURNEY JR : SOIL AND WATER ENGINEERING AREA OF AGRICULTURAL ENGINEERING, PRINCIPALLY SMALL WATERSHED HYDROLOGY. ADDITIONALLY IRRIGATION AND DRAINAGE OF AGRICULTURAL LAND.

CHIENG S : DRAINAGE, IRRIGATION, LAND & WATER-RESOURCES MANAGEMENT. HYDROLOGY & COMPUTER APPLICATION TO AGRICULTURAL ENGINEERING. EXPERIENCE IN CANADA, USA, CHINA, MALAYSIA, TAIWAN.

COOTE DR : SOIL-DEGRADATION, DRAINAGE, EROSION, COMPACTION AND THEIR EFFECTS ON THE AGRICULTURAL ENVIRONMENT; EFFECT OF ACID-RAIN ON AGRICULTURAL SOILS AND MANAGEMENT SYSTEMS.

MACLOCK B : FLOODPLAIN MANAGEMENT: INCLUDES FLOOD RISK MAPPING & FLOOD DAMAGE ESTIMATES. FLOOD PROOFING & FLOOD WARNING: TO REDUCE FLOOD DAMAGE POTENTIAL. DRAINAGE & WETLAND MANAGEMENT: MULTIDISCIPLINARY METHODS IN THE CONTEXT OF ECONOMIC EFFICIENCY AND ENVIRONMENTAL NEEDS. MEASURING AMOUNTS AND TYPES OF WETLANDS USING SATELLITE, REMOTE-SENSING & COLOUR-INFRARED AERIAL-PHOTOGRAPHY.

MULAMOOTTIL G : WETLAND ECOLOGY; LAND-USE AND ENCROACHMENTS IMPACTING ON WETLANDS; URBAN DRAINAGE PROBLEMS FOCUSSING ON STORMWATER MANAGEMENT; DETENTION FACILITIES; ENVIRONMENTAL-IMPACT-ASSESSMENTS RELATED TO WATER-RESOURCES.

NEWBURY RW : RIVER AND STREAM BEHAVIOUR AND HABITATS, FIELD EXPLORATION TECHNIQUES FOR CHARACTERIZING UNMAPPED WATERSHEDS AND STREAM CHANNELS, CHANNEL STABILITY, STREAM HYDROLOGY, DRAINAGE BASIN EXPLORATION.

VANDENBERG A : MODELLING OF SATURATED & UNSATURATED GROUNDWATER FLOW; STUDY OF IMPACT OF AGRICULTURAL DRAINAGE ON THE RIVER HYDROGRAPH.

WHITELEY HR : IMPACT OF AGRICULTURAL USE OF LAND, INCLUDING DRAINAGE ON QUALITY & QUANTITY OF STREAMFLOW & GROUNDWATER. WATERSHED MONITORING OF SNOWMELT INCLUDING ACID SHOCK EFFECTS.

DREDGING

INTL MARINE ENVIRONMENTALISTS INC : MARINE ENVIRONMENTAL CONSULTING FIRM WITH EXPERTISE IN ENVIRONMENTAL-IMPACT-ASSESSMENTS, POLLUTION BY PESTICIDES & POLYAROMATIC-HYDROCARBONS, MARINE ECOTOXICOLOGY, ESTUARINE DREDGING & THEIR ENVIRONMENTAL-IMPACT.

MACKNIGHT SD : IMPACTS OF DREDGING AND DREDGED MATERIAL DISPOSAL DISPOSAL OF DRILLING MUDS AND FLUIDS; DISPOSAL IN OCEANS; ESTUARINE CHEMISTRY; CHEMICAL OCEANOGRAPHY; BIOAVAILABILITY OF METALS; SEDIMENT WATER INTERACTIONS.

SERODES J : SEDIMENTATION AND DREDGING IN RIVERS AND ESTUARIES. WATER-QUALITY; SEDIMENT-QUALITY; DRINKING-WATER AND WASTEWATER-TREATMENT, IMPACT-ASSESSMENT ON AQUATIC-ECOSYSTEMS.

SLY PG : GEOLOGY OF LARGE LAKE SYSTEMS, SEDIMENT WATER INTERACTIONS INCLUDING TOXIC & NUTRIENT CONTAMINANTS, DREDGING & MATERIAL DISPOSAL, SEDIMENT EROSION, DEPOSITION & TRANSPORT. AQUATIC HABITATS & SEDIMENT BIOTA (INVERTEBRATE & FISH) INTERACTIONS.

DRILLERS

CABLE DM : COMPILATION & DISSEMINATION OF GROUNDWATER INFORMATION, INCLUDING DRILLERS' REPORTS, WATER-CHEMISTRY, GEOPHYSICAL LOGS & GROUNDWATER INVESTIGATION REPORTS IN ALBERTA.

DRINKING-WATER

CLARK JA : MICROBIAL ANALYSIS OF DRINKING-WATER SAMPLES FOR POLLUTION INDICATOR BACTERIA BY MEMBRANE FILTER AND PRESENCE ABSENCE TESTS.

HUCK PM : TREATMENT OF DRINKING-WATER (ORGANIC CONTAMINANTS ALTERNATIVE DISINFECTANTS, ACTIVATED CARBON). TREATMENT OF URANIUM MINING & MILLING WASTES (DEVELOPMENT OF A NEW PROCESS FOR RADIUM REMOVAL).

HUNSINGER RB : MICRO CONTAMINANTS IN DRINKING-WATER (ASBESTOS, DIOXINS ETC.) INCLUDING SAMPLING METHODS & FATE WITHIN THE TREATMENT TRAIN & REMOVAL METHODS. DRINKING-WATER DATA-BASES (DWSP). DRINKING-WATER TREATMENT.

KNETTIG E : ANAEROBIC BIODEGRADATION OF CHLOROPHENOLS. DECHLORINATION OF DIFFERENT ISOMERS & POSSIBLE MINERALIZATION. ACTIVATED CARBON ADSORPTION OF ORGANICS FOR TREATING WASTEWATER EFFLUENTS & DRINKING-WATER.

MERANGER JC : CHARACTERIZATION OF FIBROUS DUSTS INCLUDING ASBESTOS. ANALYSIS OF WATER, AIR AND BIOLOGICAL SAMPLES. EFFECTS OF ACIDIC-DEPOSITION ON QUALITY OF DRINKING-WATER (TRACE-ELEMENT CONTAMINATION). TRACE-ELEMENT METHOD DEVELOPMENT.

OLIVER BG : PATHWAYS OF ORGANIC CONTAMINANTS IN AQUATIC ENVIRONMENT, BIOCONCENTRATION & BIOACCUMULATION OF ORGANICS BY FISH, BY-PRODUCTS OF DRINKING-WATER CHLORINATION.

SERODES J : SEDIMENTATION AND DREDGING IN RIVERS AND ESTUARIES. WATER-QUALITY; SEDIMENT-QUALITY; DRINKING-WATER AND WASTEWATER-TREATMENT, IMPACT-ASSESSMENT ON AQUATIC-ECOSYSTEMS.

DRINKING-WATER

TOFT P : CONTAINANTS IN DRINKING-WATER. CONTAMINANTS IN INDOOR-AIR. HAZARD EVALUATION. ASBESTOS. GUIDELINES FOR HUMAN EXPOSURE.
VAJDIC AH : EFFICIENCY OF INNOVATIVE PROCESSES FOR DRINKING-WATER PRODUCTION WITH RESPECT TO REMOVAL OF TRACE ORGANIC SUBSTANCES, METHODS OF OPTIMIZING THE OPERATION OF DRINKING-WATER TREATMENT PLANTS & QUALITY OF DRINKING-WATER SUPPLIES.
WILLIAMS DT : DEVELOPMENT OF SAMPLING AND ANALYTICAL METHODS FOR ENVIRONMENTAL ORGANIC CONTAMINANTS. MONITORING OF ORGANIC CONTAMINANTS IN DRINKING-WATER, INDOOR-AIR AND HUMAN TISSUES. REMOVAL OF ORGANIC CONTAMINANT FROM DRINKING-WATER.

DROIT-ENVIRONNEMENT

ROUSSEAU A : AVOCAT; DROIT-ENVIRONNEMENT; LOI; LEGISLATION ENVIRONNEMENTALE; LOI ECOLOGIQUE; LOI BIOLOGIQUE.

DROUGHT

HOGAN GD : INVESTIGATION OF INTERACTION BETWEEN ENVIRONMENTAL CHEMICAL (IE. AIR-POLLUTANTS) AND PHYSICAL (IE. DROUGHT) FACTORS ON THE PHYSIOLOGICAL RESPONSE OF NATIVE FOREST SPECIES.
REDMANN RE : PHYSIOLOGICAL PLANT ECOLOGY, GRASSLAND ECOLOGY, POLLUTION EFFECTS ON PLANTS, ESPECIALLY AIRBORNE SALTS AND ACIDITY, DROUGHT STRESS EFFECTS, PLANT WATER RELATIONS, CARBON-DIOXIDE EXCHANGE IN PLANTS.

DRUG

FRASER AD : ANALYSIS & INTERPRETATION IN CLINICAL FORENSIC TOXICOLOGY. PHARMACOKINETIC STUDIES. DRUG INTERACTIONS.

DRUGS

CASORSO DR : PATHOLOGICAL EXAMINATION OF TOXICITY STUDIES IN LABORATORY ANIMALS. R&D IN DRUGS & PESTICIDES (LATIN-AMERICA, OCEANA, AFRICA). SAFETY & EFFICACY EVALUATION OF NEW DRUGS. FEED ADDITIVE DEVELOPMENT, SAFETY, EFFICACY. VETERINARY PARASITOLOGY. AVIAN PATHOLOGY.
NAKATSU K : LABORATORY WORK RE THE DISPOSITION OF DRUGS AND OTHER XENOBIOTICS IN BIOLOGICAL SYSTEMS. THE ANALYTICAL METHODS USED ARE HPLC, GC AND GCMS.
YOSHIDA K : HOSPITAL ENVIRONMENTAL HEALTH. APPLICATOR EXPOSURE TO PESTICIDES. HOSPITAL WORKER EXPOSURE TO ANTI NEOPLASTIC DRUGS. HOSPITAL WORKER EXPOSURE TO ETHYLENE-OXIDE. INDOOR AIR-POLLUTION & HEALTH EFFECTS. WORKER EXPOSURE TO DISOLYANATES IN AUTO BODY REPAIR SHOPS.

DUMPING

HALL HA : RESPONSIBLE FOR MARINE ENVIRONMENTAL-PROTECTION POLICY DEVELOPMENT AND ENFORCEMENT OF REGULATORY INSTRUMENTS FOR POLLUTION-CONTROL AND OCEAN DUMPING. DIRECT THE PROVISION OF ADVICE CONCERNING ENVIRONMENTAL-IMPACT OF OFFSHORE EXPLORATION, AND ENVIRONMENTAL ADVICE AND RESPONSE TO MARINE EMERGENCIES.
KARAU JH : NATIONAL MANAGER OF THE OCEAN DUMPING CONTROL ACT (ODCA) PROGRAM WHICH REGULATES THE DISPOSAL OF WASTES AT SEA THROUGH A SYSTEM OF PERMITS.

DUST

KNIGHT G : AIRBORNE DUST IN MINES. MEASUREMENT PRODUCTION CONTROL, X-RAY DIFFRACTION ASSESSMENT OF QUARTZ IN MINE AIRBORNE DUST. RESPIRABLE DUST SAMPLING IN THE WORK PLACE.
LINKERT WG : CHEMICAL-ANALYSIS OF SOP AIR FOR FUMES, SOLVENTS, & DUST ETC; TURBINE EXHAUST FOR NOX, WASTEWATER AND OIL FOR PCB.
WHEATOON EE : APPLIED CLIMATOLOGY, ESPECIALLY IN AGRICULTURE; DUST STORMS & WIND EROSION. ENVIRONMENTAL-IMPACT-ASSESSMENTS DESCRIPTIVE CLIMATOLOGY, AIR-POLLUTION CLIMATOLOGY, CLIMATIC VARIATION AND CHANGE, ENERGY CLIMATOLOGY.

DUSTS

BOSSERT JA : EXPLOSIVE ATMOSPHERES CONSISTING OF GASES, VAPOUR AND DUSTS IN AIR; FIRE RESISTANCE OF MATERIALS USED IN CONFINED LOCATIONS (UNDERGROUND MINES), TOXIC EFFECTS OF DIESEL EXHAUST IN CONFINED LOCATIONS & DIESEL EXHAUST TREATMENT DEVICES.
CASTLE GSP : TECHNOLOGY OF ELECTROSTATIC PRECIPITATORS FOR AIR-POLLUTION CONTROL. PROBLEMS ASSOCIATED WITH CORONA SUPPRESSION, HIGH RESISTIVITY DUSTS & WIDE PLATE SPACING PRECIPITATORS.

DUSTS

MERANGER JC : CHARACTERIZATION OF FIBROUS DUSTS INCLUDING ASBESTOS. ANALYSIS OF WATER, AIR AND BIOLOGICAL SAMPLES. EFFECTS OF ACIDIC-DEPOSITION ON QUALITY OF DRINKING-WATER (TRACE-ELEMENT CONTAMINATION). TRACE-ELEMENT METHOD DEVELOPMENT.

EAGLES

BIRD DM : RESEARCH ON THE BIOLOGY OF BIRDS OF PREY (FALCONS, EAGLES, HAWKS, OWLS). RESPONSIBLE FOR MANAGEMENT OF A COLONY OF CAPTIVE FALCONS WITH WHICH RESEARCH ON TOXICOLOGY, AUTRITIEN BEHAVIOUR, ECOLOGY, PHYSIOLOGY ETC. IS CONDUCTED. ALSO FIELD STUDIES.

EAU

BOBEE BJY : HYDROLOGIE STATISTIQUE; HYDROSTATISTIQUE; ANALYSE STATISTIQUE; METHODE STATISTIQUE DEBIT EAU; ECOULEMENT EAU; CRUE PARAMETRE HYDROLOGIQUE; HYDROPARAMETRE RESEAU HYDROMETRIQUE; RESEAU HYDROLOGIQUE ACQUISITION-DE-DONNEES; RESEAU LOI STATISTIQUE; DISTRIBUTION STATISTIQUE; PEARSON-III; MODELE HYDROLOGIE.
BRIERE FM : EPURATION-DES-EAUX-USEES ET POTABLES; CHIMIE DE L' EAU, EPURATION-DES-EAUX-USEES EN MILIEU NORDIQUE; GESTION-DES-EAUX.
COUTURE P : UTILISATION D'INDICATEURS BIOLOGIQUES, EN PARTICULIER LE PHYTOPLANCTON (ALGUES UNICELLULAIRES) POUR DETERMINER LA QUALITE DE L' EAU: ASPECT EUTROPHISATION, ASPECTS ECOLOGIQUE ET TOXICOLOGIQUE, RELATIONS STRUCTURE FONCTION, BIOESSAIS IN VITRO, BIOESSAIS IN SITU, COMMUNAUTE MICROBIENNE, PRODUCTION PRIMAIRE, CHARGE ENERGETIQUE ACCLIMATION.
DESNOYERS JE : PROPRIETES THERMODYNAMIQUES DES TENSIOACTIFS ET COTENSIOACTIFS, PROPRIETES DES EMULSIONS, DISPERSION DES HUILES DANS L' EAU DE MER, CARACTERISATION DES DISPERSANTS.
FORTIN JP : HYDROLOGIE; HYDROMETEOROLOGIE; PRECIPITATION; PLUIE; NEIGE; RUISSELLEMENT; DEBIT; ECOULEMENT; PHYSIOGRAPHIE; RIVIERE; BASSIN VERSANT; CRUE; INONDATION; TELEDETECTION EAU; SATELLITE EAU; INTEGRATION DES DONNEES; STATISTIQUE HYDROLOGIE; GESTION-EAU; PLANIFICATION-EAU; PREVISION EAU; DECISION EAU; PROTECTION EAU; CONTROLE-EAU; MODELE HYDROLOGIQUE; CEQUEAU MODELE; MODELE DETERMINISTE MAILLE-CARREAU; MODELE D AJUSTEMENT; PREVISION HYDROLOGIQUE; PREVISION ECOULEMENT; PREVISION TEMPS REEL; RESEAU HYDROLOGIQUE; PLUVIOMETRE; RADAR HYDROLOGIE; STATION-PLUVIOMETRIQUE; RESEAU RADAR METEOROLOGIE; PRECIPITATIONS-ACIDES; POLLUANTS-ATMOSPHERIQUES; TRANSPORT-A-LONGUE-DISTANCE; MODELE STATISTIQUE; DIFFUSION UNIDIMENSIONNEL; ANISOTROPIE-SPATIALE.
GODBOUT G : BIBLIOGRAPHIES; DOCUMENTATION; INFORMATION SCIENTIFIQUE; TELEREFERENCE; REFERENCE; RENSEIGNEMENT TECHNIQUE; BANQUE-BIBLIOGRAPHIQUE AUTOMATISEE; ENVIRONNEMENT EAU; RESSOURCE EAU; ENVIRONNEMENT-AQUATIQUE; EAU RESSOURCE; ECOLOGIE EAU; ECOLOGIE-AQUATIQUE; HYDROLOGIE; LIMNOLOGIE; ASSAINISSEMENT-EAU; TRAITEMENT-EAUX-USEES.
INRS-EAU : RECHERCHE MULTIDISCIPLINAIRE; ENSEIGNEMENT MULTIDISCIPLINAIRE; CENTRE DE RECHERCHE; RECHERCHE UNIVERSITAIRE; ENVIRONNEMENT EAU; RESSOURCE-EAU; ECOLOGIE EAU; HYDROLOGIE; HYDROBIOLOGIE; LIMNOLOGIE; ASSAINISSEMENT-EAU; TRAITEMENT-EAUX-USEES.
PAYMENT P : QUALITE MICROBIOLOGIQUE DE L' EAU (BACTERIES, VIRUS, PARASITES); EFFETS SUR LA SANTE; NORMES DE QUALITE-DE-L'EAU.
PINEL-ALLOUL B : ECOLOGIE-AQUATIQUE; ZOOPLANCTON; INTERACTIONS TROPHIQUES. PHYTOZOOPLANCTON. ECOTOXICOLOGIE: EFFETS DES METAUX-LOURDS ET DES POLLUANTS ASSOCIE AUX SEDIMENTS SUR LE ZOOPLANCTON. ENVIRONNEMENT: EFFETS DE LA MISE EN EAU DES RESERVOIRS NORDIQUES SUR LE ZOOPLANCTON.
PREVOST C : LA TELEDETECTION; L' AGRICULTURE ET LA TELEDETECTION (APPLICATION EN AFRIQUE). SURVEILLANCE DES RESSOURCES EN EAU SAHEL PAR TELEDETECTION.
SASSEVILLE JL : IMPACT-ENVIRONNEMENTAL; ENVIRONNEMENT-AQUATIQUE; EVALUATION-DES-IMPACTS; ENVIRONNEMENT EAU; ECOSYSTEME AQUATIQUE; RESSOURCE EAU; GESTION-EAU; PLANIFICATION-EAU; ADMINISTRATION EAU; DEVELOPPEMENT EAU; DECISION EAU; PREVISION EAU; CONTROLE-EAU; EVALUATION RISQUE-ENVIRONNEMENT; UTILISATION EAU; UTILISATION ENVIRONNEMENT; UTILISATION RESSOURCE EAU; APPROCHE SYSTEMIQUE; METHODOLOGIE EVALUATION; ANALYSE DE SYSTEME.
TESSIER A : ETUDE DES RELATIONS ENTRE LA SPECIATION DE METAUX-TRACES DANS L' EAU ET LES SEDIMENTS ET LEUR ACCUMULATION DANS LES ORGANISMES BIOLOGIQUES.
VILLENEUVE JP : HYDROLOGIE; MODELE HYDROLOGIE; MODELE HYDROGEOLOGIE; HYDROGEOLOGIE; MODELE EAUX-SOUTERRAINES; EAU-SOUTERRAINE; MODELE RIVIERE; MODELE BASSIN-VERSANT; MODELE EAU RIVIERE; MODELE QUANTITE-QUALITE; COUPLAGE QUANTITE-QUALITE.

EAU-DE-BOUES

GALAND JL : PRODUITS CHIMIQUES POUR TRAITEMENT DE L' EAU-DE-BOUES ET DES ECUMES. SELS-D'ALUMINIUM. POLYELECTROLYTES. DISPERSANTS. SILICE ACTIVEE.

EAU-POTABLE

BOUCHARD R : CARTOGRAPHIE DES PARAMETRES ENVIRONNEMENTAUX DE L' ELEVAGE DU PORC A PARTIR D'UN SYSTEME D' INFORMATION A REFERENCE SPATIALE. CLASSIFICATION GENETIQUE DES CLIMATS DU SAGUENAY, LAC-ST-JEAN. L' AGRICULTURE A SAINTE-CATHERINE DE PORTNEUF: POLLUTANT DES SOURCES D' EAU-POTABLE. LES DEPOTOIRS DE NEIGE USEE DE CHICOUTIMI.

EAU-POTABLE

COTE PA : CONTROLE DE QUALITE DE L' EAU-POTABLE.

EAU-SOUTERRAINE

VILLENEUVE JP : HYDROLOGIE; MODELE HYDROLOGIE; MODELE HYDROGEOLOGIE; HYDROGEOLOGIE; MODELE EAUX-SOUTERRAINES; EAU-SOUTERRAINE; MODELE RIVIERE; MODELE BASSIN-VERSANT; MODELE EAU RIVIERE; MODELE QUANTITE-QUALITE; COUPLAGE QUANTITE-QUALITE.

EAUX-SOUTERRAINES

FRENETTE M : EROSION DES SOLS; TRANSPORT SOLIDE; SEDIMENTATION DANS LES LACS, RESERVOIRS & ESTUAIRES; STABILITE & MORPHOLOGIE DES COURS D'EAU. CONTAMINATION DES EAUX-SOUTERRAINES. MIGRATION DES POLLUANTS EN MILIEU PARTIELLEMENT SATURE.

VILLENEUVE JP : HYDROLOGIE; MODELE HYDROLOGIE; MODELE HYDROGEOLOGIE; HYDROGEOLOGIE; MODELE EAUX-SOUTERRAINES; EAU-SOUTERRAINE; MODELE RIVIERE; MODELE BASSIN-VERSANT; MODELE EAU RIVIERE; MODELE QUANTITE-QUALITE; COUPLAGE QUANTITE-QUALITE.

EAUX-USEES

LAVALLEE P : ASSAINISSEMENT-EAU: METHODOLOGIE DE LA PROPAGATION DES EAUX-USEES DEVERSEES EN COURS D'EAU. EVALUATION DE LA QUALITE-DES-EAUX-USEES DE DEBORDEMENT-DE-RESEAUX UNITAIRES. CARACTERISATION DES EAUX-USEES: INFLUENCE SUR LE MILIEU RECEPTEUR ET LA STATION DE TRAITEMENT.

ECOLOGIE-AQUATIQUE

AUCLAIR JC : HYDROBIOLOGIE; ECOLOGIE-AQUATIQUE; ECOSYSTEME AQUATIQUE; EUTROPHISATION; POLLUTION-EAU; LIMNOLOGIE; LAC ACIDIFICATION; PRECIPITATIONS-ACIDES LAC; ALGUE PLANCTON; PHYTOPLANCTON; CHLOROPHYLLE; OXYGENE DISSIUS; MATIERE ORGANIQUE; PHOSPHATE; PHOSPHORE.

GODBOUT G : BIBLIOGRAPHIES; DOCUMENTATION; INFORMATION SCIENTIFIQUE; TELEREFERENCE; REFERENCE; RENSEIGNEMENT TECHNIQUE; BANQUE-BIBLIOGRAPHIQUE AUTOMATISEE; ENVIRONNEMENT EAU; RESSOURCE EAU; ENVIRONNEMENT-AQUATIQUE; EAU RESSOURCE; ECOLOGIE EAU; ECOLOGIE-AQUATIQUE; HYDROLOGIE; LIMNOLOGIE; ASSAINISSEMENT-EAU; TRAITEMENT-EAUX-USEES.

PINEL-ALLOUL B : ECOLOGIE-AQUATIQUE; ZOOPLANCTON; INTERACTIONS TROPHIQUES. PHYTOZOOPLANCTON. ECOTOXICOLOGIE: EFFETS DES METAUX-LOURDS ET DES POLLUANTS ASSOCIE AUX SEDIMENTS SUR LE ZOOPLANCTON. ENVIRONNEMENT: EFFETS DE LA MISE EN EAU DES RESERVOIRS NORDIQUES SUR LE ZOOPLANCTON.

ECONOMIC

BARLISHEN WJ : RESEARCH, ANALYSIS OF CONSUMPTIVE WATER-USE (AGRICULTURAL, INDUSTRIAL, MUNICIPAL) IN ALBERTA. ECONOMIC ANALYSIS OF QUANTIFIABLE & NON QUANTIFIABLE BENEFIT-COST-ANALYSIS OF WATER-RESOURCE DEVELOPMENT & MANAGEMENT IN ALBERTA.

BREGHA F : ENVIRONMENTAL ASPECTS OF POLITICAL, SOCIAL AND ECONOMIC DEVELOPMENT ACTIVITIES, PLANS AND PROGRAMS IN NORTHERN CANADA, YUKON AND NORTHWEST-TERRITORIES.

CHAMBERS AD : SYNTHESIS OF SOCIAL, ECONOMIC & BIOPHYSICAL PROPERTIES OF NATURAL RESOURCE SYSTEMS. SOCIAL LIMITS TO INTEGRATED MANAGEMENT.

FORSTER RB : ASSESS THE PHYSICAL & ECONOMIC SUPPLY OF TIMBER RESOURCES IN CANADA BY REGION AND PROVINCES.

HART JR : COORDINATION OF PLANNING ACTIVITIES FOR EFFECTIVE & EFFICIENT DEVELOPMENT & USE OF WATER-RESOURCES OF SOUTHERN ALBERTA CONSIDERING ECONOMIC, SOCIAL & ENVIRONMENTAL FACTORS.

HICKS R : COORDINATION OF PLANNING ACTIVITIES FOR THE EFFECTIVE AND EFFICIENT DEVELOPMENT AND USE OF WATER-RESOURCES OF NORTHERN ALBERTA CONSIDERING ECONOMIC, SOCIAL AND ENVIRONMENTAL FACTORS.

HOLOWACZ J : STUDY OF FOREST-RESOURCES, FORESTRY INSTITUTIONS, FOREST POLICY AND FOREST-BASED INDUSTRIES OF THE USSR AND CERTAIN COUNTRIES BELONGING TO THE COUNCIL FOR MUTUAL ECONOMIC ASSISTANCE, (CMEA).

IREDALE DG : FRESHWATER FISH PRODUCT & PROCESS DEVELOPMENT INCLUDING CURED, CANNED, FORMULATED & WASTE BY-PRODUCTS. RESOURCE DEVELOPMENT INITIATIVES UNDER FISHERIES DEVELOPMENT PROGRAM TO ENHANCE VALUE & MORE EFFICIENT UTILIZATION OF FRESHWATER FISH; TECHNOLOGICAL & ECONOMIC DEVELOPMENT OF INLAND & ARCTIC FISHING INDUSTRY.

MACLOCK B : FLOODPLAIN MANAGEMENT: INCLUDES FLOOD RISK MAPPING & FLOOD DAMAGE ESTIMATES. FLOOD PROOFING & FLOOD WARNING: TO REDUCE FLOOD DAMAGE POTENTIAL. DRAINAGE & WETLAND MANAGEMENT: MULTIDISCIPLINARY METHODS IN THE CONTEXT OF ECONOMIC EFFICIENCY AND ENVIRONMENTAL NEEDS. MEASURING AMOUNTS AND TYPES OF WETLANDS USING SATELLITE, REMOTE-SENSING & COLOUR-INFRARED AERIAL-PHOTOGRAPHY.

MOORE WC : SATELLITE IMAGE & AERIAL-PHOTO INTERPRETATION TECHNIQUES FOR ECONOMIC & OPERATIONAL MAPPING OF SIGNIFICANT DEPLETIONS IN FOREST RESOURCE INVENTORIES FOR GEOGRAPHIC INFORMATION SYSTEM INPUTS IN COLLABORATION WITH OTHER JURISDICTIONS.

ECONOMIC

MORIN JR : RESEARCH RELATES TO RESOURCE DEVELOPMENT, RESOURCE CONSERVATION & THE PROTECTION OF PUBLIC SAFETY & RESOURCES FROM NATURAL HAZARDS PLANS ARE PREPARED FOR CROWN LANDS, WATERS, FORESTS, PARKS, FISH & WILDLIFE RESOURCES TO PROMOTE THEIR WISE MANAGEMENT FOR ECONOMIC & SOCIAL BENEFIT.

O'GORMAN DK : ENVIRONMENTAL, ECONOMIC & SOCIO-ECONOMIC EVALUATION OF MAJOR ENERGY PROJECTS & ENERGY EXPORTS; DRAFTING OF FORMAL APPROVAL CONDITIONS. INTEGRATED RESOURCE-MANAGEMENT & REGIONAL PLANNING, EMPHASIZING CONFLICT RESOLUTION & WORKABLE SOLUTIONS.

ROBINSON JE : TECHNICAL ECONOMIC & POLICY RESEARCH ON WATER-DEMAND MANAGEMENT & ON INTEGRATING SUPPLY & DEMAND MANAGEMENT OF WATER & WASTEWATER-TREATMENT AT LOCAL, REGIONAL & NATIONAL LEVELS.

SZOJKA LK : COORDINATION OF PLANNING ACTIVITIES FOR THE EFFECTIVE AND EFFICIENT DEVELOPMENT AND USE OF THE WATER-RESOURCES OF SOUTHERN ALBERTA, PARTICULARLY IRRIGATION, CONSIDERING ECONOMIC, SOCIAL AND ENVIRONMENTAL FACTORS.

WALL G : IMPACTS OF TOURISM AND RECREATION, E.G. PUBLICATION "TOURISM: ECONOMIC, PHYSICAL AND SOCIAL IMPACTS" (LONGMAN, LONDON 1983).

ECONOMIE

PAGEAU Y : ECONOMIE DES RESSOURCES MINERALES NON-RENOUVELABLE DONT LES RESSOURCES ENERGETIQUES (CHARBON, PETROLE, GAS ET URANIUM). ENERGIE VERSUS ENVIRONNEMENT (TOUTE ECONOMIE D'ENERGIE SE SOLDE EN AMELIORATION DE L' ENVIRONNEMENT.) PREOCCUPATION CONCERNANT L' ENERGIE NUCLEAIRE.

ECOPHYSIOLOGIE

COTE R : ETUDES DE LA TOXICITE DES REJETS-INDUSTRIELS SUR L' ECOPHYSIOLOGIE DES POPULATIONS PLANCTONIQUES (PHYTOPLANCTON ET ZOOPLANCTON).

ECOPHYSIOLOGY

WEINBERGER P : ECOPHYSIOLOGY AND TOXICOLOGY WITH SPECIAL REFERENCE TO SOILS, SOIL MICROORGANISMS, WATER (FRESH AND ESTUARINE) AQUATIC MICRO AND MACROPHYTES AND SOME TREES INDIGENOUS TO CANADA. FATE TRANSPORT, UPTAKE, EFFECTS ON PHYSIOLOGY AND DEVELOPMENT OF N2-FIXING CYANOBACTERIA, ALGAE, AQUATIC MACROPHYTES AND SOME GYMNOSPERM AND ANGIOSPERM TREE SEEDS.

ECOSYSTEM

BECKETT PJ : MOSS, LICHEN & MACROFUNGI AS BIOMONITORS OF ECOSYSTEM METAL BURDENS; GEOBOTANICAL-PROSPECTING EFFECTS OF METALS ON TERRESTRIAL-ECOSYSTEMS. RESTORATION OF ACID, METAL STRESSED LAND.

CHRISTIE WJ : FISH POPULATION-DYNAMICS. EFFECTS OF WEATHER, SEA LAMPREY, OVER-FISHING ON YIELDS FROM ECONOMICALLY IMPORTANT LAKE ONTARIO FISH-STOCKS. FISH COMMUNITY DYNAMICS; ANALYSIS OF HISTORICAL TRENDS IN LAKE ONTARIO; IDENTIFICATION OF STRESS EFFECTS. ECOSYSTEM STUDIES. STRATEGIC FISHING MANAGEMENT PLANNING.

GREAT LAKES INSTITUTE : ONLY UNIVERSITY-BASED AGENCY IN CANADA DEVOTED TO GREAT-LAKES STUDIES. SOLVES ENVIRONMENTAL PROBLEM IN THE LAKES' ECOSYSTEM. INCREASES PUBLIC-AWARENESS OF ENVIRONMENTAL ISSUES IN THE GREAT-LAKES BASIN. HAS EXPERTISE OF THIRTY PHYSICAL AND SOCIAL SCIENTISTS.

KIMMINS JP : ENVIRONMENTAL-IMPACT OF FOREST-MANAGEMENT. FOREST ECOSYSTEM FUNCTIONS, BIOMASS AND NUTRIENT-CYCLING, PRODUCTIVITY. COMPUTER-SIMULATION MODELLING OF LONG-TERM IMPACTS OF INTENSIVE FOREST-MANAGEMENT ON YIELD AND SITE FERTILITY - FORCYTE.

RYDER RA : STUDY OF AQUATIC-ECOSYSTEMS, THEIR PRODUCTIVITY AND THEIR FISHERIES. COMMUNITY PRODUCTION AND INTERACTIONS AMONG COMMUNITY COMPONENTS IN FRESHWATER SYSTEMS. BIOTIC INDICES OF ECOSYSTEM QUALITY.

SENYK JP : ECOSYSTEM IDENTIFICATION AND CHARACTERIZATION THROUGH REMOTE-SENSING AND GROUND-TRUTHING. EXPERTISE IN TERRAIN, SOIL CLASSIFICATION WITHIN AN ECOLOGICAL FRAMEWORK CONCENTRATING ON TEMPERATE COASTAL, CONTINENTAL AND SUBARCTIC ENVIRONMENTS.

WATSON AEP : WATER AND ECOSYSTEM QUALITY, DEVELOPMENT OF OBJECTIVES FOR ECOSYSTEM QUALITY FOR IJC GREAT-LAKES SCIENCE ADVISORY BOARD (SAB) HUMAN HEALTH EFFECTS OF GREAT-LAKES WATER-QUALITY EVALUATION OF HEALTH HAZARDS FROM CHEMICAL AND MICROBIOLOGICAL CONTAMINANTS IN THE GREAT-LAKES AND THE DEVELOPMENT OF THE DESIGN OF EPIDEMIOLOGICAL-STUDIES FOR THE (SAB) AND THE GREAT-LAKES WATER QUALITY BOARD. SAB GREAT-LAKES RESEARCH REVIEW PARTICIPATION.

ECOSYSTEME

ECOSYSTEME

AUCLAIR JC : HYDROBIOLOGIE; ECOLOGIE-AQUATIQUE; ECOSYSTEME AQUATIQUE; EUTROPHISATION; POLLUTION-EAU; LIMNOLOGIE; LAC ACIDIFICATION; PRECIPITATIONS-ACIDES LAC; ALGUE PLANCTON; PHYTOPLANCTON; CHLOROPHYLLE; OXYGENE DISSIUS; MATIERE ORGANIQUE; PHOSPHATE; PHOSPHORE.
GODBOUT C : RECHERCHES SUR LA FORET ET LES PRODUITS FORESTIERES: ECOSYSTEME FORESTIER (EVOLUTION, DESCRIPTION, REACTION AUX STRESS); REBOISEMENT ET TRAVAUX SYLVICOLES; AMELIORATION GENETIQUE DES ARBRES; TECHNIQUES DE PROTECTION; UTILISATION ET GESTION-DES-FORETS.
PELLETIER E : ECOTOXICOLOGIE MARINE; ETUDE DES INTERACTIONS DES POLLUANTS (METAUX, BPC ET HYDROCARBURES) AVEC LES ORGANISMES MARINS DANS L' ECOSYSTEME COTIER ET LES ESTUAIRES.
SASSEVILLE JL : IMPACT-ENVIRONNEMENTAL; ENVIRONNEMENT-AQUATIQUE; EVALUATION-DES-IMPACTS; ENVIRONNEMENT EAU; ECOSYSTEME AQUATIQUE; RESSOURCE EAU; GESTION-EAU; PLANIFICATION-EAU; ADMINISTRATION EAU; DEVELOPPEMENT EAU; DECISION EAU; PREVISION EAU; CONTROLE-EAU; EVALUATION RISQUE-ENVIRONNEMENT; UTILISATION EAU; UTILISATION ENVIRONNEMENT; UTILISATION RESSOURCE EAU; APPROCHE SYSTEMIQUE; METHODOLOGIE EVALUATION; ANALYSE DE SYSTEME.

ECOSYSTEMS

ADDISON PA : RESEARCH IN ENVIRONMENTAL FORESTRY RELATED PRIMARILY TO THE EFFECTS OF ATMOSPHERIC-POLLUTION ON FOREST ECOSYSTEMS. THIS INCLUDES GROWTH & YIELD STUDIES, BIOMONITORING USING BOTH CRYPTOGAMS & HIGHER PLANTS & SOIL BIOLOGICAL & CHEMICAL RESPONSE MEASUREMENTS.
BIDGOOD BF : FRESHWATER FISHERIES BIOLOGY. POPULATION-DYNAMICS, PHYSIOLOGY OF FRESHWATER FISHES. MANIPULATION OF ECOSYSTEMS.
DOANE JF : BIOLOGY, BEHAVIOUR AND CONTROL OF WIREWORMS, GROUND BEETLES AND OTHER SOIL INSECTS. IMPACT OF PESTICIDES ON NON-TARGET ORGANISMS PARTICULARLY IN CROP ECOSYSTEMS.
DUNBAR MJ : ARCTIC & SUBARCTIC MARINE ECOSYSTEMS; CLIMATIC CHANGE & ITS EFFECTS ON MARINE FAUNA & FLORA; BIOLOGICAL & ENVIRONMENTAL CYCLES.
HARRISON PG : ECOLOGY OF ESTUARINE PLANTS (SEAGRASSES & ALGAE), ESPECIALLY POPULATION-DYNAMICS & PLANT & ANIMAL INTERACTIONS. FUNCTIONAL ECOLOGY OF DETRITUS BASED ECOSYSTEMS.
HURLEY DA : ECOLOGICAL STUDIES IN EUTROPHIC WATERS; ROLE OF PREDATOR PREY INTERACTIONS IN SHAPING ECOSYSTEMS; BIOENERGETICS OF WALLEYE, YELLOW-PERCH; TRENDS IN FISH SPECIES ASSOCIATIONS OVER TIME.
INSTITUTE FOR ENVIRONMENTAL STUDIE : ENVIRONMENTAL-MANAGEMENT INCLUDING ENVIRONMENTAL PERCEPTION, GREAT-LAKES ECOSYSTEMS REHABILITATION, CLIMATE IMPACT-ASSESSMENT IMPACT OF THIRD-WORLD URBANIZATION, RISK-ASSESSMENT, IMPACTS OF ACID-RAIN AND METALS ON BIOLOGICAL SYSTEMS, MODELLING PATHWAYS OF TOXIC SUBSTANCES, ENVIRONMENTAL-TOXICOLOGY.
JONES HG : CHEMISTRY OF SNOW FALL & SNOW-COVER. SNOWMELT IN NORTHERN ECOSYSTEMS. DRY DEPOSITION & TRANSFORMATION OF N-SPECIES TO SNOW-COVER IN BOREAL-FOREST WATERSHEDS.
KERSHAW GP : RECLAMATION & MITIGATION OF ARCTIC, SUBARCTIC & ALPINE DISTURBANCES DEVELOPMENT OF RESOURCES. ASPEN PARKLAND, BOREAL, SUBARCTIC, ALPINE & ARCTIC ECOSYSTEMS STRUCTURE & FUNCTION.
MIDDLETON J : MEASUREMENT & ANALYSIS OF ECOLOGICAL STRESS & DISTURBANCE IN ECOSYSTEMS AT LARGE SCALES (KILOMETRES) INCLUDING LANDSCAPES DOMINATED BY HUMAN ACTIVITY.
MILLER DR : DISTRIBUTION AND TRANSPORT OF TOXIC-CHEMICALS IN THE ENVIRONMENT, AND THEIR EFFECTS ON ECOSYSTEMS AND ORGANISMS INCLUDING MAN; MODELLING OF TRANSPORT PROCESSES; HAZARD ASSESSMENT OF ENVIRONMENTAL CONTAMINANTS.
PATEL GB : ISOLATION, CHARACTERIZATION & STUDY OF THE PHYSIOLOGY OF OBLIGATE-ANAEROBES INVOLVED IN THE BREAKDOWN OF COMPLEX ORGANIC MATTER PRESENT IN ANAEROBIC ECOSYSTEMS (CELLULOLYTIC, SACCHARDLYTIC, METHANOGENIC-BACTERIA). SEWAGE TREATMENT; PULP & PAPER.
ROFF JC : BROAD EXPERTISE IN AQUATIC SCIENCES, MARINE, ESTUARINE, FRESHWATER AND STREAMS, ECOSYSTEMS, ARCTIC CHEMICAL AND BIOLOGICAL OCEANOGRAPHY.
RUBEC CDA : EFFECTS OF ACID-PRECIPITATION & ECOSYSTEMS AT RISK. ASSESSMENT OF RESOURCES AT RISK TO ACID-RAIN. WETLANDS & LAND CONSERVATION. LAND USE MONITORING. ECOLOGICAL LAND SURVEY. NORTHERN ECOLOGY.
WOTTON DL : LEAD: DEPOSITION & ACCUMULATION IN URBAN SOILS, SMELTER EMISSIONS, EXHAUST, PAINT RESIDUES. FOREST: EFFECTS FROM MINING SMELTERS ON VEGETATION & SOIL, NORTHERN BOREAL-FOREST ECOSYSTEMS, CONIFEROUS REGENERATION IMPACTS FROM HEAVY-METAL CONTAMINATED SOILS. SOIL & GEOLOGY SENSITIVITY MAPPING FOR ACID-RAIN. HERBICIDES.

ECOTOXICOLOGIE

FOUQUET G : TELEDETECTION DES DECHETS, ECOTOXICOLOGIE. AMENAGEMENT DES TERRITOIRES, ASSAINISSEMENT-EAU ET GENIE-MUNICIPAL.
PELLETIER E : ECOTOXICOLOGIE MARINE; ETUDE DES INTERACTIONS DES POLLUANTS (METAUX, BPC ET HYDROCARBURES) AVEC LES ORGANISMES MARINS DANS L' ECOSYSTEME COTIER ET LES ESTUAIRES.
PINEL-ALLOUL B : ECOLOGIE-AQUATIQUE; ZOOPLANCTON; INTERACTIONS TROPHIQUES. PHYTOZOOPLANCTON. ECOTOXICOLOGIE: EFFETS DES METAUX-LOURDS ET DES POLLUANTS ASSOCIE AUX SEDIMENTS SUR LE ZOOPLANCTON. ENVIRONNEMENT: EFFETS DE LA MISE EN EAU DES RESERVOIRS NORDIQUES SUR LE ZOOPLANCTON.
VAN COILLIE R : CHEMINEMENT ET TOXICITE SOUS-LETALE DES METAUX-LOURDS ET DES PESTICIDES DANS L' ENVIRONNEMENT-AQUATIQUE ET TERRESTRE REPERCUSSIONS DES PLUIES-ACIDES SUR LA FAUNE AQUATIQUE ECOTOXICOLOGIE DES DEPOTOIRS, BIOTECHNOLOGIES ENVIRONNEMENTALES.

ECOTOXICOLOGIE

ECOTOXICOLOGY

BUTLER GC : RADIATION PROTECTION. ECOTOXICOLOGY.
HUTCHINSON TC : ACID-RAIN STUDIES OF TERRESTRIAL-ECOSYSTEMS. HEAVY-METAL TOXICITY TO PLANTS AND ALGAE. ECOTOXICOLOGY OF NICKEL, COPPER, LEAD. EFFECTS OF SMELTERS. OIL-SPILL AND HYDROCARBON TOXICITY RESEARCH. ARCTIC AND BOREAL AREAS.
INTL MARINE ENVIRONMENTALISTS INC : MARINE ENVIRONMENTAL CONSULTING FIRM WITH EXPERTISE IN ENVIRONMENTAL-IMPACT-ASSESSMENTS. POLLUTION BY PESTICIDES & POLYAROMATIC-HYDROCARBONS. MARINE ECOTOXICOLOGY, ESTUARINE DREDGING & THEIR ENVIRONMENTAL-IMPACT.
KAUSHIK N : AQUATIC BIOLOGY; HEADWATER STREAMS; IMPACT OF AGRICULTURE ON STREAM ENVIRONMENTS; ALLOCHTHONOUS ORGANIC MATTER IN STREAMS; ECOTOXICOLOGY; USE OF LIMNOCORRALS IN ASSESSMENT OF PESTICIDES ON AQUATIC ENVIRONMENTS.
WELLS PG : COORDINATION OF MARINE ENVIRONMENTAL QUALITY ISSUE. IDENTIFICATION OF PRIORITY AREAS FOR MARINE POLLUTION RESEARCH & ASSESSMENT FOR LAND BASED POLLUTANTS. MARINE ECOTOXICOLOGY: PRINCIPLES, PRACTISE & RELATIONSHIP TO MARINE COASTAL MANAGEMENT & POLLUTION-CONTROL. BIOLOGICAL TECHNIQUES FOR EFFECTS MONITORING.

ECOULEMENT

BOBEE BJY : HYDROLOGIE STATISTIQUE; HYDROSTATISTIQUE; ANALYSE STATISTIQUE; METHODE STATISTIQUE DEBIT EAU; ECOULEMENT EAU; CRUE PARAMETRE HYDROLOGIQUE; HYDROPARAMETRE RESEAU HYDROMETRIQUE; RESEAU HYDROLOGIQUE ACQUISITION-DE-DONNEES; RESEAU LOI STATISTIQUE; DISTRIBUTION STATISTIQUE; PEARSON-III; MODELE HYDROLOGIE.
FORTIN JP : HYDROLOGIE; HYDROMETEOROLOGIE; PRECIPITATION; PLUIE; NEIGE; RUISSELLEMENT; DEBIT; ECOULEMENT; PHYSIOGRAPHIE; RIVIERE; BASSIN VERSANT; CRUE; INONDATION; TELEDETECTION EAU; SATELLITE EAU; INTEGRATION DES DONNEES; STATISTIQUE HYDROLOGIE; GESTION-EAU; PLANIFICATION-EAU; PREVISION EAU; DECISION EAU; PROTECTION EAU; CONTROLE-EAU; MODELE HYDROLOGIQUE; CEQUEAU MODELE; MODELE DETERMINISTE MAILLE-CARREAU; MODELE D AJUSTEMENT; PREVISION HYDROLOGIQUE; PREVISION ECOULEMENT; PREVISION TEMPS REEL; RESEAU HYDROLOGIQUE; PLUVIOMETRE; RADAR HYDROLOGIE; STATION-PLUVIOMETRIQUE; RESEAU RADAR METEOROLOGIE; PRECIPITATIONS-ACIDES; POLLUANTS-ATMOSPHERIQUES; TRANSPORT-A-LONGUE-DISTANCE; MODELE STATISTIQUE; DIFFUSION UNIDIMENSIONNEL; ANISOTROPIE-SPATIALE.

ECUMES

GALAND JL : PRODUITS CHIMIQUES POUR TRAITEMENT DE L' EAU-DE-BOUES ET DES ECUMES. SELS-D'ALUMINIUM. POLYELECTROLYTES. DISPERSANTS. SILICE ACTIVEE.

EDUCATION

ANDERSON JM : FISHERIES RESEARCH & DEVELOPMENT, PARTICULARLY SALMONID AQUACULTURE & SALMON ENHANCEMENT STRATEGIES. EDUCATION & TRAINING A SPECIALTY.
BLAIR N : RESEARCH ASSOCIATE. PROVINCIAL CONSERVATION STRATEGY, NOVA-SCOTIA, INCLUDING PARTICIPATORY ACTION RESEARCH WITH NONGOVERNMENTAL AND GOVERNMENTAL GROUPS, PUBLIC EDUCATION. STUDIES IN FUELWOOD SUPPLY, MARKETING AND DISTRIBUTION IN NOVA-SCOTIA FORESTRY STUDIES: SOCIOLOGICAL, POLICY AND BUSINESS. PROJECT OFFICER IN TRAINING INDONESIANS IN ENVIRONMENTAL SKILLS EG. ENVIRONMENTAL-LAW, ENVIRONMENTAL-IMPACT-ASSESSMENT, ETC.
CURTIS FA : ENVIRONMENTAL-IMPACT-ASSESSMENT; ENVIRONMENTAL PLANNING AND MANAGEMENT; ENVIRONMENTAL EDUCATION; PROJECT PLANNING AND DEVELOPMENT; ENVIRONMENTAL-ENGINEERING; ENVIRONMENTAL MEDIATION; DISTANCE EDUCATION.
DE'ATH CE : KOREA: RESEARCH ON POPULATION, AIR & WATER-QUALITY, NUCLEAR-WASTE, AGRICULTURE & INDUSTRIAL POLLUTION WILDLIFE. PAPUA-NEW-GUINEA: MANUS-ISLAND & FORESTRY DEVELOPMENT IMPACTS. CANADA: SOCIAL & ENVIRONMENTAL-ASSESSMENT (LAKE EUGENIA, NWT), ENERGY EDUCATION IN ONTARIO, MINING IN WINDIGO TRIBAL AREA OF NORTHERN ONTARIO.
EAGLES PFJ : AUTHORITY IN ENVIRONMENTALLY SENSITIVE AREA PLANNING AND MANAGEMENT, PARK PLANNING, OUTDOOR EDUCATION AND ENVIRONMENTAL-ASSESSMENT.
GANNON J E : LIMNOLOGY WITH SPECIAL EMPHASIS ON ZOOPLANKTON ECOLOGY. WATER-RESOURCES MANAGEMENT & ENVIRONMENTAL EDUCATION. SECRETARIAT DUTIES WITH RESPONSIBILITY FOR OVERSEEING US & CANADIAN MONITORING & SURVEILLANCE PROGRAMS ON THE GREAT-LAKES.
GRAHAM R : MARINE CONSERVATION, PARKS & PROTECTED AREAS. VISITOR MANAGEMENT, INTERPRETATION VISITOR SERVICES, PUBLIC SAFETY, EDUCATION IN MARINE AQUATIC PARKS & COASTAL AREAS.
MARTIN JM : SUPPORT ENVIRONMENTAL EDUCATION AT ALL LEVELS THROUGH DEVELOPMENT OF PRINT RESOURCES AND THROUGH SERVICES SUCH AS WORKSHOPS, PROGRAMMING ADVICE, GRANTS, RESEARCH & PROGRAM MANAGEMENT AND COORDINATION.
MCCLAREN M : DECISION-MAKING AND PROBLEM SOLVING BEHAVIOUR WITH A FOCUS ON ENVIRONMENTAL ISSUES AND/OR PROBLEMS. ENVIRONMENTAL AND CONSERVATION EDUCATION WITH AN EMPHASIS ON CURRICULUM DEVELOPMENT.

EDUCATION

MCNEIL L : REGROUPEMENT D'ASSOCIATIONS DE VILLEGIATEURS 600 QUI TRAVAILLENT A LA PROTECTION DE L' ENVIRONNEMENT DES LACS ET A LA PROTECTION DE LA NATURE. POLLUTION DES LACS; REGENERATION DES RIVES. GROUPE DE PRESSION EN ENVIRONNEMENT. SENSIBILISATION, EDUCATION, INFORMATION.
MORAN EJ : HEALTH RISK-ASSESSMENT. COMMUNITY HEALTH MONITORING. CONSENSUS PANELS ON MEDICAL ASPECTS OF ENVIRONMENTAL PROBLEMS. ROLE OF THE PHYSICIAN IN ENVIRONMENTAL MATTERS. PROFESSIONAL EDUCATION.
SCHWASS RD : CHAIRMAN, TASK FORCE ON CONSERVATION STRATEGY FOR NORTHERN CANADA; CHAIRMAN, ADVISORY COMMITTEE ON RESOURCE MANAGEMENT, BANFF CENTRE; ADVISOR, TO SEVERAL MINISTERS RESPONSIBLE FOR ENVIRONMENTAL POLICY, GOVERNMENT OF CANADA. MEMBER, INTL. ASSOC. OF UNIV. CONFERENCE ON ENVIRONMENTAL EDUCATION, BUDAPEST, OCT. 1983. CONSULTANT TO I.U.C.N. ON SUSTAINABLE DEVELOPMENT AND CONSERVATION STRATEGY IN PAKISTAN AND TANZANIA 1985-86; CONSULTANT TO THE MINISTRY OF POPULATION AND ENVIRONMENT, GOVERNMENT OF INDONESIA, 1985-86.
STOKES DW : PUBLIC ATTITUDES TOWARD ENVIRONMENT. PUBLIC EDUCATION. RISK-MANAGEMENT. ENVIRONMENTAL EMERGENCIES. PUBLIC-PARTICIPATION.
VALLENTYNE JR : BIOSPHERE; ENVIRONMENTAL EDUCATION (YOUTH); LIMNOLOGY; SCIENCE POLICY; SCIENCE & SOCIETY INTERACTION; GREAT-LAKES RESEARCH ADVISOR.

EDUCATIONAL

ABBOTT AH : REGULATORY, MONITORING, EDUCATIONAL & OTHER ASPECTS OF ENVIRONMENTAL ACTIVITIES IN NOVA SCOTIA. ENVIRONMENTAL RESEARCH AS DEVELOPED BY TECHNICAL & PROFESSIONAL STAFF.
GRIFFIN DF : CANDIDATE NATURAL AREAS ARE SELECTED THROUGHOUT PEI FOR RESEARCH, CONSERVATION, RECREATION AND EDUCATIONAL PURPOSES. BIOPHYSICAL DATA IS GATHERED.
HERMELIN J : FOREST EXTENSION SERVICE IS AN EDUCATIONAL, ADVISORY BODY TO ASSIST, ADVISE, PROMOTE THE MANAGEMENT OF PRIVATE WOODLOTS. INTERACTION WITH WOODLOT OWNERS WHO IN TURN MANAGE THEIR FOREST LAND.
LEE PG : ECOLOGICAL RESERVES AND NATURAL AREAS PROGRAMS OF ALBERTA. SUITABLE SITES ARE SELECTED THROUGHOUT THE PROVINCE FOR RESEARCH, PRESERVATION, EDUCATIONAL AND RECREATIONAL PURPOSES. BIOPHYSICAL DATA IS GATHERED.
MELOCHE PH : FORINTEK CANADA CORP. IS A PRIVATE, NON-PROFIT RESEARCH AND DEVELOPMENT CORPORATION ACTIVELY ENGAGED IN ALL MAJOR SCIENTIFIC AND TECHNICAL DISCIPLINE RELATED TO WOOD PRODUCTS: SAWMILLING; SEASONING; MACHINING; COMPOSITE PRODUCTS; ADHESIVES; WOOD BASED ENERGY AND CHEMICALS; HOUSING MATERIALS SCIENCE; TIMBER ENGINEERING; WOOD PRESERVATION; FIRE RETARDANTS AND THE WOOD SCIENCES. ASSISTANCE AND EXPERT ADVICE ARE AVAILABLE TO FOREST PRODUCTS INDUSTRIES, GOVERNMENT AGENCIES, TRADE ASSOCIATIONS, CONSULTANTS, EQUIPMENT MANUFACTURERS, EDUCATIONAL INSTITUTIONS AND THE GENERAL PUBLIC.

EFFLUENT

BETTS JL : PULP-AND-PAPER EFFLUENT TOXICITY. PULP-AND-PAPER POLLUTION ABATEMENT TECHNOLOGY.
BROWN DJ : AQUATIC MONITORING TO ASSESS EFFLUENT IMPACT ON PROVINCIAL WATER-QUALITY OBJECTIVES, TO ASSESS IMPACT OF METALS & PESTICIDES IN FISH, TO ASSESS IMPACT OF PESTICIDE & HERBICIDE USE ON AQUATIC-ECOSYSTEMS.
COUILLARD D : ASSAINISSEMENT-EAU; EPURATION-EAU; TRAITEMENT-EAUX-USEES; EAUX-USEES; EFFLUENT; RUISSELLEMENT URBAIN; RUISSELLEMENT MUNICIPALITE; BIOINDICATEUR EAU; TOXICITE EAUX-USEES.
PINDER KL : ANAEROBIC FERMENTATION OF HIGH BOD FOOD-WASTES. RECOVERY OF CHEMICALS FROM CHLORINE-DIOXIDE BLEACH EFFLUENTS. AUTOCAUSTICIZING OF KRAFT LIQUORS TO ELIMINATE RECAUSTICIZING EFFLUENT.
RYAN RG : EXPERIENCE IN THE START-UP AND OPERATION OF BIOLOGICAL TREATMENT SYSTEMS FOR EFFLUENT FROM BLEACHED KRAFT PULP-MILLS.
SALTER RS : STUDY OF MINE AND MILL EFFLUENT TAILINGS, SLURRIES AND WATERS. CYANIDE DESTRUCTION, HEAVY-METALS PRECIPITATION, SUSPENDED-SOLIDS REMOVAL.

EFFLUENTS

AUDY E : ENVIRONMENTAL-IMPACT OF PULP-AND-PAPER EFFLUENTS. PROBLEMS RELATED TO THE LOCALIZATION & OPERATION OF LANDFILL SITES.
BANAS WP : AQUATIC TOXICOLOGY & CHEMICAL FATE INVESTIGATIONS. TOXICITY TESTING OF INDUSTRIAL EFFLUENTS (PULP & PAPER, MINING, STEEL MANUFACTURING). DEVELOPMENT OF A WATER-QUALITY AQUATIC ENVIRONMENT. TOXICITY OBJECTIVE REGARDING ALUMINUM IN THE EVALUATIONS OF PESTICIDES (ORGANOCHLORINE & ORGANOPHOSPHATE) & HEAVY-METALS USING RAINBOW-TROUT IN FLOW THROUGH & STATIC BIOASSAYS.
BIENVENUE M : DETERMINATION DE LA TOXICITE D' EFFLUENTS ET DECHETS-DANGEREUX. DEVELOPPEMENT ET EVALUATION DE SYSTEME DE TRAITEMENT D' EFFLUENTS LIQUIDES ET SOLIDES. RECHERCHE SUR LA VALIDITE ET LA PERTINENCE DES METHODES D' EVALUATION. MESURE DE LA QUALITE DE L' AIR AMBIANT ET AU MILIEU DE TRAVAIL.
CLEMENT RE : IMPROVED ANALYTICAL METHODS FOR THE QUALITATIVE & QUANTITATIVE ANALYSIS OF AIR, WATER, SOIL, BIOTA & INDUSTRIAL EFFLUENTS USING GAS-CHROMATOGRAPHY MASS-SPECTROMETRY. SPECIAL EMPHASIS ON ULTRA-TRACE ANALYSIS OF CHLORINATED DIBENZO-P-DIOXINS & CHLORINATED DIBENZOFURANS.

EFFLUENTS

GOYETTE DE : MARINE ENVIRONMENTAL-IMPACT-ASSESSMENT AND POLLUTION-CONTROL; INDUSTRIAL AND MUNICIPAL DISCHARGES, PACIFIC COAST. SPECIFIC STUDIES ON THE PHYSICAL, CHEMICAL AND BIOLOGICAL IMPACTS OF MINE-TAILINGS AND EFFLUENTS FROM PULP-MILLS; TISSUE TRACE-METALS; MONITORING AND REGULATION COMPLIANCE; ENVIRONMENTAL-IMPACT-ASSESSMENT; PORT & HARBOURS; BIOLOGICAL EFFECTS OF ORGANIC CONTAMINANTS AND URBAN WASTES.

HOCKING MB : STUDY OF EFFLUENTS FROM BLEACHING OF WOOD PULP; ENVIRONMENTAL-MONITORING; CHEMICAL PROCESS EMISSION CHARACTERISTICS & THEIR CONTROL.

KNETTIG E : ANAEROBIC BIODEGRADATION OF CHLOROPHENOLS. DECHLORINATION OF DIFFERENT ISOMERS & POSSIBLE MINERALIZATION. ACTIVATED CARBON ADSORPTION OF ORGANICS FOR TREATING WASTEWATER EFFLUENTS & DRINKING-WATER.

LOMAS H : RESEARCH RELATED TO ENVIRONMENTAL PROBLEMS: DEVELOPMENT OF BIODEGRADABLE-DETERGENTS; SUBSTITUTION FOR PHOSPHATES IN DETERGENTS; RECYCLING OF WASTEWATER & FLOCCULATION OF PAPER FINES IN PAPER MILL EFFLUENTS.

MAKHIJA R : METHOD DEVELOPMENT IN METALLURGICAL EFFLUENTS, AIR-MONITORING, CHEMICAL AUDIT, IDENTIFICATION OF TOXIC-CHEMICALS AND THEIR ANALYSIS, WASTE-MANAGEMENT STUDIES INCLUDING, SEMINARS, WORKSHOPS; SPILL CONTROL, HAZARDOUS-WASTE METHODS DEVELOPMENT, OCCUPATIONAL-HEALTH AND SAFETY, LANDFILL MONITORING, WATER-QUALITY, SOLID-WASTE SAMPLING AND ANALYSIS.

PINDER KL : ANAEROBIC FERMENTATION OF HIGH BOD FOOD-WASTES. RECOVERY OF CHEMICALS FROM CHLORINE-DIOXIDE BLEACH EFFLUENTS. AUTOCAUSTICIZING OF KRAFT LIQUORS TO ELIMINATE RECAUSTICIZING EFFLUENT.

RITCEY GM : PROCESS OF URANIUM AND BASE-METAL ORES WHERE THE ENVIRONMENTAL CONSIDERATIONS OF TAILINGS EFFLUENTS WERE CONSIDERED. RECENTLY DEVOTED TO URANIUM AND SULPHIDE TAILINGS, TO PREDICT THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH THE TAILINGS WITH TIME. MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK WILL BE EXTENDED TO MATERIALS TO INHIBIT OXIDATION.

SHARIFF AJ : MONITOR TRACE LEVELS OF LOW MOLECULAR WEIGHT ORGANIC-COMPOUNDS IN INDUSTRIAL WASTEWATERS & RECEIVING MEDIA BY APPLICATION & MODERN ANALYTICAL TECHNIQUES. SPECIALIZATION IN ENVIRONMENTAL IMPACT OF PULP & PAPER MILL EFFLUENTS.

SIEBERT H : ENVIRONMENTAL-MONITORING OF PLANT, AIR & WATER EFFLUENTS. SUGGESTING REMEDIAL CORRECTIVE ACTIONS ON VIOLATIONS.

SIROIS LL : ALL ASPECTS RELATED TO MINERAL INDUSTRY PROCESS EFFLUENTS: SLIDS (TAILINGS), LIQUIDS (EG. CYANIDE SOLUTIONS) & GASES (EG. AIRBORNE ARSENICAL FUMES). UNDERSTANDING THE PHENOMENA & DEVELOPING SYSTEMS TO REDUCE ENVIRONMENTAL-IMPACT.

TREW DO : SURFACE-WATER QUALITY MANAGEMENT IN ALBERTA. LOCALIZED IMPACT-ASSESSMENT, GENERAL SURVEY PROGRAMS. MAINTENANCE OF LONG TERM MONITORING STATIONS. WATER-QUALITY ISSUES INCLUDE: EUTROPHICATION, ACIDIC DEPOSITION, IMPACTS FROM MUNICIPAL EFFLUENTS, INDUSTRIAL-EFFLUENTS & RESOURCE EXTRACTION. RIVER BASIN PLANNING; LAKE MANAGEMENT PLANNING.

EGGS

AKHIAR H : SYNTHESIS, METABOLISM OF PESTICIDES (ORGANOPHOSPHATES, SYNTHETIC PYRETHROIDS) IN POULTRY AND FARM ANIMALS. DEVELOPMENT OF ANALYTICAL TECHNIQUES FOR DETERMINATION OF TRACES OF PESTICIDES AND METABOLITES IN MILK, URINE, FECES, EGGS AND TISSUES.

ELECTROCHEMICAL

OLDHAM KB : APPLICATION OF ELECTROCHEMICAL METHODS TO CHEMICAL-ANALYSIS, EG. DISSOLVED OXYGEN. METHODOLOGY FOR ACCESSING BATTERY PERFORMANCE. MATHEMATICAL-MODELLING.

ELECTRONICS

WILLIAMS PF : DEVELOPMENT OF MONITORING SYSTEMS TO OPERATE IN REMOTE & HARSH ENVIRONMENTS. ELECTRONICS TO MEASURE, PROCESS, STORE & TELEMETER ENVIRONMENTAL DATA VIA PHONE, RADIO AND SATELLITE.

ELECTROSTATIC-PRECIPITATION

MUNZ RJ : ELECTROSTATIC-PRECIPITATION. HIGH TEMPERATURE GAS SOLID SEPARATION. THERMAL PLASMA PROCESSING.

ELEMENTS-NUTRITIFS

DIONNE JL : RECHERCHES EN FERTILITE DES SOLS. ETUDES DES INTERACTIONS ENTRE LES ELEMENTS-NUTRITIFS ET LE PH DES SOLS, LA TEMPERATURE ET L' HUMIDITE DES SOLS.

EMERGENCIES

HALL HA . RESPONSIBLE FOR MARINE ENVIRONMENTAL-PROTECTION POLICY DEVELOPMENT AND ENFORCEMENT OF REGULATORY INSTRUMENTS FOR POLLUTION-CONTROL AND OCEAN DUMPING. DIRECT THE PROVISION OF ADVICE CONCERNING ENVIRONMENTAL-IMPACT OF OFFSHORE EXPLORATION, AND ENVIRONMENTAL ADVICE AND RESPONSE TO MARINE EMERGENCIES.

MANSFIELD BH : OIL-SPILL COUNTERMEASURES. HAZARDOUS MATERIAL SPILLS. CONTINGENCY-PLANNING FOR EMERGENCIES OF ALL TYPES. ENVIRONMENTAL EMERGENCY PREVENTION, ALERTING, REPORTING AND RESPONSE.

STOKES DW : PUBLIC ATTITUDES TOWARD ENVIRONMENT. PUBLIC EDUCATION. RISK-MANAGEMENT. ENVIRONMENTAL EMERGENCIES. PUBLIC-PARTICIPATION.

EMISSION

CHUNG YS : LONG-RANGE-TRANSPORT-OF-AIR-POLLUTION (LRTAP). SATELLITE DETECTION OF AIR-POLLUTION. EMISSION OF FOREST FIRES, OZONE, SULPHATE, TSP & CARBON-DIOXIDE.

DAINTY ED : DEVELOPMENT OF DIESEL EMISSION REDUCTION DEVICES FOR USE ON UNDERGROUND MINING VEHICLES (SUCH AS FILTERS AND SCRUBBERS), PROMOTION OF RATIONAL DIESEL EMISSIONS TOXICITY CRITERION FOR UNDERGROUND VENTILATION PRESCRIPTION, AND PROMOTION OF THIS CRITERION (AIR-QUALITY INDEX; AQI) FOR RATIONAL SELECTION OF ENGINES AND REDUCTION DEVICES FOR USE UNDERGROUND AND IN OTHER CONFINED ENVIRONMENTS WHERE DIESEL ENGINES ARE EMPLOYED. AMBIENT MONITORING OF DIESEL POLLUTANTS.

FERGUSON NC : EMISSION DATA-COLLECTION & UPDATE FOR NON-FERROUS MINING & SMELTER OPERATIONS.

GEORGE Z : SULPHUR-DIOXIDE EMISSION. HYDROGEN-SULPHIDE EMISSION. REACTION BETWEEN SULPHUR-DIOXIDE & HYDROGEN-SULPHIDE. ROLE OF CATALYSTS IN THE ABOVE REACTION. SULPHUR RECOVERY.

GUEVREMONT R : REFERENCE MATERIALS PREPARATION AND ANALYSIS. TRACE ANALYTICAL METHODS FOR ORGANICS AND METALS IN MARINE SAMPLES. METHODS AND INSTRUMENTATION FOR GFAAS AND ICP EMISSION SPECTROMETRY. MICROPROCESSORS FOR CONTROL OF HARDWARE AND DATA ACQUISITION.

HOCKING MB : STUDY OF EFFLUENTS FROM BLEACHING OF WOOD PULP; ENVIRONMENTAL-MONITORING; CHEMICAL PROCESS EMISSION CHARACTERISTICS & THEIR CONTROL.

MOSELHY MM : ENVIRONMENTAL RESEARCH PLANNING. POLICY ANALYSIS. AIR, WATER, WASTE POLLUTION ANALYSIS; EFFECTS. ANALYTICAL-CHEMISTRY. ATOMIC EMISSION SPECTROSCOPY MULTIELEMENTAL ANALYSIS.

ST PIERRE CC : AIR-POLLUTION CONTROL; WET-SCRUBBERS; SOURCE EMISSION MEASUREMENTS; RISK-ASSESSMENT; INDOOR AIR-POLLUTION MODELLING & MEASUREMENT; QUANTIFICATION OF ODOUR IMPACT LABORATORY ANALYSIS AND DISPERSION MODELLING.

WILLIAMS DA : AIR-POLLUTION MEASUREMENT: AMBIENT AND SOURCE EMISSION MEASUREMENT. COORDINATION OF OPERATIONS OF NATIONAL AIR-POLLUTION-SURVEILLANCE NETWORK.

WILSON MA : MANAGES RESEARCH AND DEVELOPMENT PROJECTS ON POLLUTION-CONTROL TECHNOLOGY; SPECIFICALLY IN WATER AND WASTEWATER-TREATMENT, WASTE-MANAGEMENT AND ATMOSPHERIC EMISSION CONTROL. AREAS OF WORK INCLUDE PULP-AND-PAPER, SOUR-GAS AND HAZARDOUS-WASTE DISPOSAL.

EMISSIONS

DAINTY ED : DEVELOPMENT OF DIESEL EMISSION REDUCTION DEVICES FOR USE ON UNDERGROUND MINING VEHICLES (SUCH AS FILTERS AND SCRUBBERS), PROMOTION OF RATIONAL DIESEL EMISSIONS TOXICITY CRITERION FOR UNDERGROUND VENTILATION PRESCRIPTION, AND PROMOTION OF THIS CRITERION (AIR-QUALITY INDEX; AQI) FOR RATIONAL SELECTION OF ENGINES AND REDUCTION DEVICES FOR USE UNDERGROUND AND IN OTHER CONFINED ENVIRONMENTS WHERE DIESEL ENGINES ARE EMPLOYED. AMBIENT MONITORING OF DIESEL POLLUTANTS.

DUNCAN CE : AIR-QUALITY & PRECIPITATION QUALITY MONITORING, ACID-RAIN MATHEMATICAL-MODELLING, METEOROLOGY, CONTROL & PROCESS TECHNOLOGY, HAZARDOUS CONTAMINANTS, STANDARD SETTING & REGULATION, SOURCE ASSESSMENT & MEASUREMENTS, VEHICLE EMISSIONS, SOILS & VEGETATION ASSESSMENT, PLANT PATHOLOGY EMERGENCY RESPONSE.

HOWARD TE : INDUSTRIAL-HYGIENE. ENVIRONMENTAL HEALTH STUDIES. AIR-POLLUTION STUDIES: IMPACT OF AIR EMISSIONS, ACID-RAIN, ODOUR CONTROL. MODELLING ATMOSPHERIC DISPERSION OF AIR-POLLUTANTS. WATER STUDIES. UPTAKE OF METALS BY AQUATIC ORGANISMS. BIOASSAYS. WASTEWATER-TREATMENT. REMOTE-SENSING. LANDFILL LEACHATE CONTROL.

KRZYMIEN ME : TRACE ANALYSIS OF ORGANIC AIR-POLLUTANTS. SAMPLE PRECONCENTRATION FOR ANALYSIS OF TRACE ORGANICS IN AIR. IDENTIFICATION OF EMISSIONS FROM SYNTHETIC BUILDING MATERIALS.

LINZON SN : EFFECTS OF AIR-POLLUTANTS INCLUDING ACID-RAIN ON VEGETATION. RESULTS OF STUDIES ARE USED TO CONTROL EMISSIONS AT SOURCES.

MAGILL BL : DEVELOPMENT AND IMPLEMENTATION OF AN AIR-QUALITY AND CLIMATOLOGY RESEARCH PROGRAM. RESEARCH WILL BE DIRECTED TOWARDS AIR-QUALITY CONCERNS INVOLVING SOUR GAS FLARING, FUGITIVE AND UNCONTROLLED EMISSIONS FROM INDUSTRIAL SOURCES URBAN AIR-QUALITY AND CLIMATE CHANGE AND VARIABILITY.

SAINTSBURY JA : GAS TURBINE COMBUSTION AND EMISSIONS. RESEARCH AND DEVELOPMENT OF SIMPLE AUTOMOBILE GAS TURBINE COMBUSTORS FOR LOW EMISSIONS. DESIGNING SMALL GAS TURBINE ENGINES FOR LOW NOISE AND CLEAN EXHAUST. ATMOSPHERIC TEST OF A VARIABLE GEOMETRY COMBUSTION FOR LOW EMISSIONS. EMISSIONS RESEARCH ON A SIMPLE VARIABLE GEOMETRY GAS TURBINE COMBUSTOR.

TOROSSIAN H : METHOD DEVELOPMENT FOR MEASUREMENT OF ATMOSPHERIC-POLLUTANTS. SOURCE TESTING FOR STACK GAS & PARTICULATE EMISSIONS. DESIGN AND SELECTION OF EQUIPMENT FOR AIR-POLLUTION ABATEMENT. MANAGEMENT OF PCB WASTES.

EMISSIONS

WONG JKS : RECIPROCATING ENGINES. ALTERNATE FUELS FOR EXISTING TYPICAL AUTOMOTIVE ENGINES AND EFFECTS OF PHYSICAL-PROPERTIES OF DIESEL FUEL ON DIESEL ENGINES PERFORMANCE; INVESTIGATION OF EXHAUST EMISSIONS USING THE NEW FUELS.

WOTTON DL : LEAD: DEPOSITION & ACCUMULATION IN URBAN SOILS. SMELTER EMISSIONS. EXHAUST. PAINT RESIDUES. FOREST: EFFECTS FROM MINING SMELTERS ON VEGETATION & SOIL, NORTHERN BOREAL-FOREST ECOSYSTEMS. CONIFEROUS REGENERATION IMPACTS FROM HEAVY-METAL CONTAMINATED SOILS. SOIL & GEOLOGY SENSITIVITY MAPPING FOR ACID-RAIN. HERBICIDES.

EMULSIFIERS

LAST AJ : SPECIAL PROCESS ENERGY APPLICATIONS AND RESEARCH SUCH AS HIGH POWER ULTRASOUND, MICROWAVE, ULTRAVIOLET AND INFRA-RED LIGHT; EMULSIONS, EMULSIFICATION PROCESSES AND EMULSIFIERS; ALSO LIQUID FLOW PROCESSING; IRON ORE BENEFICIATION AND DIRECT REDUCTION OF IRON ORE; POWDER METALLURGY; COMBUSTION AND FUELS IN METALLURGICAL PROCESSING; GASIFICATION AND LIQUEFACTION OF COALS AND BOTH FERROUS AND NON-FERROUS PYROMETALLURGY.

ENDANGERED-PLANTS

ARGUS GW : SYSTEMATICS OF SALIX (WILLOW) OF NORTH-AMERICA. RARE AND ENDANGERED-PLANTS OF CANADA.

BRODO IM : TAXONOMY OF LICHENS, ESPECIALLY THE GENUS LECANORA AND STUDIES ON THE LICHENFLORA OF CANADA, ESPECIALLY BRITISH-COLUMBIA, ONTARIO & QUEBEC. SYSTEMATIC STUDIES OF VASCULAR PLANTS, BRYOPHYTES, LICHENS & ALGAE (SPECIES OCCURRING IN CANADA & ELSEWHERE IN NORTHERN HEMISPHERE); FLORISTIC STUDIES OF THESE & RARE & ENDANGERED-PLANTS IN CANADA.

HINDS HR : IDENTIFICATION AND DISTRIBUTION OF NEW-BRUNSWICK VASCULAR PLANTS. INVENTORY & PROTECTION OF SIGNIFICANT NATURAL AREAS IN NEW-BRUNSWICK. RARE & ENDANGERED-PLANTS (VASCULAR) IN NEW-BRUNSWICK.

KEDDY PA : ENVIRONMENTAL FACTORS REGULATING SPECIES COMPOSITION IN WETLANDS VEGETATION. HUMAN IMPACTS ON WETLAND VEGETATION. STATUS OF RARE AND OR ENDANGERED-PLANTS (WETLANDS). TECHNIQUES EMPHASIZE EXPERIMENTS CONDUCTED UNDER FIELD CONDITIONS - ' EXPERIMENTAL COMMUNITY ECOLOGY'.

ENDOSCOPES

WALLBANK AM : ANTISEPTICS, DISINFECTANTS, VIRUCIDES, BIOCIDES, SPORICIDES, Q-FEVER-COXIELLA BURNETII AS BIOHAZARDS, AND DECONTAMINATION OF ENDOSCOPES.

ENERGETICS

MACKAY WC : ENVIRONMENTAL PHYSIOLOGY OF FISH PARTICULARLY ENERGETICS (SWIMMING, GROWTH, REPRODUCTION) OF TEMPERATE FRESHWATER FISH. FACTORS WHICH AFFECT GROWTH RATE INCLUDING LATITUDE, TEMPERATURE, COMPETITION. REPRODUCTIVE STRATEGIES.

ENERGIE

PAGEAU Y : ECONOMIE DES RESSOURCES MINERALES NON-RENOUVELABLE DONT LES RESSOURCES ENERGETIQUES (CHARBON, PETROLE, GAS ET URANIUM). ENERGIE VERSUS ENVIRONNEMENT (TOUTE ECONOMIE D'ENERGIE SE SOLDE EN AMELIORATION DE L' ENVIRONNEMENT.) PREOCCUPATION CONCERNANT L' ENERGIE NUCLEAIRE.

ENERGY

ANDERSON JC : COLOUR REMOVAL MECHANISMS INCLUDING ALUM WITH OTHER WATER-TREATMENT CHEMICALS, OZONE AND SLOW SAND FILTRATION. EFFICIENCY AND ENERGY CONVERSION CAPABILITIES.

BOORMAN RS : RPC UNDERTAKES PROBLEM SOLVING RESEARCH & SERVICE WORK FOR INDUSTRY RELATING TO ENERGY, THE ENVIRONMENT, MATERIALS & INDUSTRIAL PRODUCTS, PROCESSES & NATURAL-RESOURCES.

CHARLESWORTH DH : ENVIRONMENTAL-PROTECTION RELATED TO THE STUDY AND USE OF NUCLEAR ENERGY. RADIOACTIVE-WASTE MANAGEMENT.

CHISHOLM AJ : MANAGEMENT OF RESEARCH IN STRATOSPHERIC POLLUTION, OZONE MONITORING, SOLAR ENERGY, WEATHER RADAR, CLOUD PRECIPITATION PHYSICS, CLOUD CHEMISTRY & ACID-FOG. HEAD, CANADIAN DELEGATION NEGOTIATING THE VIENNA CONVENTION FOR THE PROTECTION OF THE OZONE LAYER.

DAUGHARTY DA : INFLUENCE OF FOREST COVER AND MESO-SCALE TOPOGRAPHIC CHARACTERISTICS ON SNOW COVER; INSTALLATION & MAINTENANCE OF METEOROLOGICAL & HYDROMETRIC INSTRUMENTATION, PROGRAMMING OF DATA LOGGERS. ENERGY BALANCE DETERMINATION IN A FORESTED ENVIRONMENT.

ENERGY

DE'ATH CE : KOREA: RESEARCH ON POPULATION, AIR & WATER-QUALITY, NUCLEAR-WASTE, AGRICULTURE & INDUSTRIAL POLLUTION WILDLIFE. PAPUA-NEW-GUINEA: MANUS-ISLAND & FORESTRY DEVELOPMENT IMPACTS. CANADA: SOCIAL & ENVIRONMENTAL-ASSESSMENT (LAKE EUGENIA, NWT), ENERGY EDUCATION IN ONTARIO, MINING IN WINDIGO TRIBAL AREA OF NORTHERN ONTARIO.

DICKISON RBB : CHANGES IN WATER AND ENERGY BALANCES, STREAMFLOW REGIME AND SNOW-COVER AFTER FOREST HARVESTING ARE BEING RESEARCHED AS PART OF THE NASHWAAK EXPERIMENTAL WATERSHED PROJECT. THE INFLUENCE OF LOW-LEVEL TEMPERATURE INVERSIONS AND LAPSE RATES ON THE EFFICACY OF AERIAL SPRAYS ARE BEING STUDIED IN CONJUNCTION WITH THE NEW-BRUNSWICK SPRAY EFFICACY RESEARCH GROUP.

DRAPER DW : MANAGEMENT OF SCIENTIFIC INVESTIGATIONS AND POLLUTION-CONTROL TECHNOLOGY EVALUATION PROGRAMS FOR FOSSIL-FUELLED AND NUCLEAR POWER, AND OIL AND GAS PRODUCTION AND PROCESSING. DEVELOPMENT AND CONDUCT OF ENVIRONMENTAL-PROGRAMS FOR NEW ENERGY TECHNOLOGIES.

GOODINGS WD : USE OF QUARRIES & LINERS FOR LANDFILLS, ENERGY FROM WASTE OPPORTUNITIES; PRIVATE SECTOR FINANCING & OPERATION OF WASTE-MANAGEMENT SYSTEMS; HAZARDOUS-WASTE CLEANUP; PUBLIC PARTICIPATION PROGRAMS FOR SITING CONTROVERSIAL FACILITIES (LANDFILLS, INCINERATORS, HIGHWAYS).

HAANA E : COMPUTER-MODELLING OF HAZARDOUS-WASTE, ACID-RAIN, WOOD ENERGY AND FISHERIES FOR POLICY AND DECISION ANALYSIS. DESIGN AND IMPLEMENTATION OF RESOURCE AND ENVIRONMENTAL MANAGEMENT PLANS AND REHABILITATION MEASURES. DEVELOPMENT OF ENVIRONMENTAL ANALYSIS METHODOLOGIES AND INFORMATION-SYSTEMS. BIOPHYSICAL INVENTORIES AND DATA-ANALYSIS FOR BACKGROUND TO PLANNING INITIATIVES.

HANSON AJ : FISHERIES COASTAL ZONE AND OCEAN MANAGEMENT. RESOURCE ECOLOGY AND DEVELOPMENT. FOREST BIOMASS FOR ENERGY. INTERNATIONAL DEVELOPMENT AND THE ENVIRONMENT WITH EXPERTISE IN SOUTHEAST ASIA AND CARIBBEAN.

HAYA K : AQUATIC TOXICOLOGY: BIOCHEMICAL INDICATORS OF SUBLETHAL EFFECTS CAUSED BY POLLUTANTS IN AQUATIC ORGANISMS, PARTICULARLY PARAMETERS OF INTERMEDIARY ENERGY METABOLISM.

HEALE EL : DEVELOPMENT OF WOODY TREES AND SHRUBS ON TAILINGS; TRACE-ELEMENTS (ESPECIALLY NICKEL AND COPPER). EFFECTS ON VEGETATION; EXPERIMENTS UTILIZING WASTE GEOTHERMAL HEAT ENERGY FOR THE PRODUCTION OF GREENHOUSE VEGETABLE AND FORESTRY CROPS; INVESTIGATION, NEGOTIATION AND SETTLEMENT OF CLAIMS FOR VEGETATION DAMAGE.

HUGHES CJ : A GEOLOGIST'S PERSPECTIVE OF THE HUMAN PREDICAMENT (BOOK). ISSUES ADDRESSED INCLUDE: THE EFFECT OF RESEARCH AND TECHNOLOGY ON THE ENVIRONMENT; SOCIAL RESPONSIBILITY OF THE SCIENTIFIC COMMUNITY, NUCLEAR ENERGY AND THE MANAGEMENT OF OUR NATURAL-RESOURCES.

KOSARIC N : BIOCHEMICAL AND FOOD ENGINEERING. WASTEWATER MANAGEMENT. NEW PROCESS AND PRODUCT DEVELOPMENT RELATED TO ENERGY, FOOD, SPECIALTY CHEMICALS AND ENVIRONMENT.

LAST AJ : SPECIAL PROCESS ENERGY APPLICATIONS AND RESEARCH SUCH AS HIGH POWER ULTRASOUND, MICROWAVE, ULTRAVIOLET AND INFRA-RED LIGHT; EMULSIONS, EMULSIFICATION PROCESSES AND EMULSIFIERS; ALSO LIQUID FLOW PROCESSING; IRON ORE BENEFICIATION AND DIRECT REDUCTION OF IRON ORE; POWDER METALLURGY; COMBUSTION AND FUELS IN METALLURGICAL PROCESSING; GASIFICATION AND LIQUEFACTION OF COALS AND BOTH FERROUS AND NON-FERROUS PYROMETALLURGY.

MELOCHE PH : FORINTEK CANADA CORP. IS A PRIVATE, NON-PROFIT RESEARCH AND DEVELOPMENT CORPORATION ACTIVELY ENGAGED IN ALL MAJOR SCIENTIFIC AND TECHNICAL DISCIPLINE RELATED TO WOOD PRODUCTS: SAWMILLING; SEASONING; MACHINING; COMPOSITE PRODUCTS; ADHESIVES; WOOD BASED ENERGY AND CHEMICALS; HOUSING MATERIALS SCIENCE; TIMBER ENGINEERING; WOOD PRESERVATION; FIRE RETARDANTS AND THE WOOD SCIENCES. ASSISTANCE AND EXPERT ADVICE ARE AVAILABLE TO FOREST PRODUCTS INDUSTRIES, GOVERNMENT AGENCIES, TRADE ASSOCIATIONS, CONSULTANTS, EQUIPMENT MANUFACTURERS, EDUCATIONAL INSTITUTIONS AND THE GENERAL PUBLIC.

MURRAY DR : INVENTORY OF CANADIAN ACTIVITIES RELATED TO SOIL & WATER LIMITATIONS, DEGRADATION, CONSERVATION, IMPROVEMENT, RECLAMATION. ACTIVITIES ASSOCIATED WITH MINING, AGRICULTURE, FORESTRY, ENERGY, TRANSPORTATION, CONSTRUCTION, ETC.

O'GORMAN DK : ENVIRONMENTAL, ECONOMIC & SOCIO-ECONOMIC EVALUATION OF MAJOR ENERGY PROJECTS & ENERGY EXPORTS; DRAFTING OF FORMAL APPROVAL CONDITIONS. INTEGRATED RESOURCE-MANAGEMENT & REGIONAL PLANNING, EMPHASIZING CONFLICT RESOLUTION & WORKABLE SOLUTIONS.

OVEREND RP : INVESTIGATION OF POTENTIAL AND APPLICATIONS OF BIOMASS LIQUEFACTION AND FRACTIONATION FOR CHEMICALS AND ENERGY. PEAT MINING AND DEWATERING WITH ENVIRONMENTAL-IMPACT AND PROCESS IMPACT.

PETERS RH : STUDIES OF GENERAL PATTERNS IN ECOLOGY & LIMNOLOGY; ESPECIALLY ALLOMETRY & EUTROPHICATION RESEARCH. GOAL IS TO PREDICT & DESCRIBE PRODUCTIVITY, ENERGY & MATERIAL FLOW IN AQUATIC & OTHER COMMUNITIES. TREATING FILTER FEEDING BY ZOOPLANKTON & ANALYSIS OF LITERATURE DATA. CRITICAL ANALYSIS OF ECOLOGICAL CONCENTRATION.

REYNOLDS PJ : PLANNING, COORDINATING AND CONDUCTING A PROGRAM OF LARGELY DIVERSE STUDIES RELATED TO WATER-RESOURCES POLICY STRATEGIES AND MANAGEMENT INTERFACES WITH FOOD, FIBRE, ENERGY AND MINERALS DEVELOPMENT OF WATER-USE ANALYSIS MODELS. CONDUCTING NATIONAL WATER-USE SURVEYS. EVALUATION OF THE VALUE OF WATER-RESOURCES SYSTEMS.

ROSS W : ENVIRONMENTAL-IMPACT-ASSESSMENT. ENERGY POLICY ANALYSIS. ENERGY-CONSERVATION. ENVIRONMENTAL-MANAGEMENT.

SILVERSIDES CR : TIMBER HARVESTING (ENVIRONMENTAL-IMPACT) SHORT-ROTATION-FORESTRY ENERGY PLANTATIONS. ENERGY FROM BIOMASS AND OTHER RENEWABLES.

SPINK EF : INVENTORS AND DEVELOPERS OF WATERLOO SCRUBBERS, A LOW ENERGY, LOW WATER-USE, WET-SCRUBBERS CAPABLE OF ULTRA HIGH REMOVAL OF SUB-MICRON PARTICULATE, GASES, ACID-MISTS AND ORGANIC FUMES.

STALEY LM : SOLAR ENERGY. GREENHOUSE. SOLAR STORAGE ENERGY-CONSERVATION.

ENERGY

SZABO BS : MECHANICAL AND ELECTRICAL ENGINEERING RELATED TO BUILDING DESIGN COVERING CONCEPT, DESIGN AND DEVELOPMENT, CONSTRUCTION ADMINISTRATION, SYSTEMS MANAGEMENT AND OPERATIONS. IN DEPTH CAPABILITIES IN FIELDS OF ENERGY STUDIES, GENERATION, TRANSMISSION, DISTRIBUTION AND UTILIZATION; POLLUTION-CONTROL, ENVIRONMENTAL STUDIES, BUILDING AUTOMATION DESIGNS.
WHEATOON EE : APPLIED CLIMATOLOGY, ESPECIALLY IN AGRICULTURE; DUST STORMS & WIND EROSION. ENVIRONMENTAL-IMPACT-ASSESSMENTS DESCRIPTIVE CLIMATOLOGY, AIR-POLLUTION CLIMATOLOGY, CLIMATIC VARIATION AND CHANGE, ENERGY CLIMATOLOGY.
WHYTE JNC : BIOCHEMICAL INVESTIGATIONS ON ENVIRONMENTAL STRESS RELATED TO LIVE HOLDING & STORAGE CONDITIONS FOR SHELLFISH. STUDIES ON CHANGES OF METABOLIC & ENERGY RESERVES IN BIVALVES SUBJECTED TO NATURAL OR ARTIFICIAL FEED (FROM BATCH CULTURED MARINE PHYTOPLANKTON).
WIGGINS GB : RESEARCH CONCERNED WITH BIOSYSTEMATICS OF TRICHOPTERA (CADDISFLIES), AN ORDER OF AQUATIC INSECTS IMPORTANT IN THE TRANSFER OF ENERGY AND NUTRIENTS IN ALL TYPES OF FRESHWATER HABITATS.
WINTER P : BIOMASS ENERGY DATA-BASES. BIOMASS. FUTURE TRENDS OF BIOMASS ENERGY. IMPACT OF TECHNOLOGY-TRANSFER. SOCIAL PSYCHOLOGICAL IMPACTS OF RENEWABLE-ENERGY.
WRIGHT DS : ENVIRONMENTAL-ASSESSMENT AND IMPACT EVALUATION. PRIVATE-SECTOR EXPERIENCE IN APPLICATION OF ENVIRONMENTAL-ASSESSMENT METHODS TO LARGE-SCALE ENERGY PROJECTS, AND PUBLIC SECTOR EXPERIENCE IN DEVELOPMENT OF ENVIRONMENTAL-ASSESSMENT AND REVIEW PROCEDURES FOR CANADIAN AND INTERNATIONAL AID PROJECTS. EXPERIENCE IN POLICY FORMULATION, PLANNING AND ISSUE MANAGEMENT.
YOUNG JWS : LRTAP, TOXIC-CHEMICALS, ENERGY, NORTH, GREAT-LAKES WATER-QUALITY, AIR-QUALITY, CLIMATE CHANGE, OXIDANTS. MAIN FOCUS IS THE ATMOSPHERIC PATHWAY PORTION OF THESE AREAS.

ENERGY-CONSERVATION

GRIMA AP : WATER-DEMAND ESTIMATION, PARTICULARLY URBAN & RESIDENTIAL. ENERGY-CONSERVATION POLICIES. INSTITUTIONAL INSTRUMENTS FOR ENVIRONMENTAL-QUALITY. PUBLIC INVOLVEMENT IN ENVIRONMENTAL-IMPACT-ASSESSMENT, AND CLIMATE IMPACT-ASSESSMENT.
PETROLEUM ASSOC FOR CONSERVATION : TO PROMOTE, WITHIN THE CANADIAN PETROLEUM INDUSTRY DEVELOPMENT AND APPLICATION OF THE PRINCIPLES AND SCIENCE OF ENVIRONMENTAL CONSERVATION, INCLUDING ENVIRONMENTAL-PROTECTION, OCCUPATIONAL-HEALTH AND SAFETY, PRODUCT TOXICITY AND ENERGY-CONSERVATION AS RELATED TO ENVIRONMENTAL-PROTECTION.
ROSS W : ENVIRONMENTAL-IMPACT-ASSESSMENT. ENERGY POLICY ANALYSIS. ENERGY-CONSERVATION. ENVIRONMENTAL-MANAGEMENT.
STALEY LM : SOLAR ENERGY. GREENHOUSE. SOLAR STORAGE ENERGY-CONSERVATION.
TOWNSHEND AR : COLD CLIMATE NORTHERN & RURAL ENVIRONMENTAL ENGINEERING TECHNOLOGIES FOR THE PROTECTION OF THE ENVIRONMENT & QUALITY OF LIFE; TECHNOLOGIES FOR WATER SOURCE DEVELOPMENT & TREATMENT, WATER CONSERVATION, WASTEWATER-TREATMENT & DISPOSAL, SOLID-WASTE MANAGEMENT & ENERGY-CONSERVATION.

ENGINEERING

BAKER JR : ENGINEERING & CONSTRUCTION OF FLUIDIZED RATION BED INCINERATION ("SUPERBURN" PROCESS) FOR MUNICIPAL & INDUSTRIAL-WASTE SYSTEMS ARE HIGHLY EFFICIENT, WITH LITTLE OR NO ENVIRONMENTAL-CONTAMINATION.
BERNHART AP : ENVIRONMENTAL-PLANNING AND ENGINEERING APPLYING A NEW METHOD OF POLLUTION-CONTROL WHEREBY ORGANIC & TOXIC POLLUTANTS ARE ABSORBED BY VEGETATIVE MATTER. CHANGING SOCIAL PATTERNS WHICH WILL POSITIVELY INFLUENCE THE ENVIRONMENT.
BURNEY JR : SOIL AND WATER ENGINEERING AREA OF AGRICULTURAL ENGINEERING, PRINCIPALLY SMALL WATERSHED HYDROLOGY. ADDITIONALLY IRRIGATION AND DRAINAGE OF AGRICULTURAL LAND.
CHIENG S : DRAINAGE, IRRIGATION, LAND & WATER-RESOURCES MANAGEMENT. HYDROLOGY & COMPUTER APPLICATION TO AGRICULTURAL ENGINEERING. EXPERIENCE IN CANADA, USA, CHINA, MALAYSIA, TAIWAN.
DENMAN EW : AIR & WATER-POLLUTION; SOLID-WASTE MANAGEMENT; INDUSTRIAL-HYGIENE; COMPUTER APPLICATIONS; CHEMICAL ENGINEERING.
DICK TM : HYDRAULICS RESEARCH RELATED TO THE ENVIRONMENT: RIVER MECHANICS, DISPERSION SEDIMENT TRANSPORT, RIVER ICE, AIR, WATER INTERACTIONS, WAVE GENERATION, COASTAL ENGINEERING, SEDIMENTOLOGY, URBAN WATER-RESOURCES.
DOMIER KW : RESEARCH IN THE VARIOUS AREAS OF AGRICULTURAL ENGINEERING: POWER AND MACHINERY, STRUCTURES AND ENVIRONMENT, SOIL AND WATER.
GARTNER LEE ASSOCIATES LTD : CONSULTANTS: HYDROGEOLOGY, ENVIRONMENTAL GEOLOGY, TERRAIN EVALUATION, BIOLOGY, INVENTORIES, ASSESSMENTS, AGGREGATES, ENGINEERING & GEOLOGY, GEOTECHNICAL STUDIES.
GERATH RF : AERIAL-PHOTOGRAPHY INTERPRETATION FOR GEOTECHNICAL ENGINEERING AND RELATED ENVIRONMENTAL STUDIES. SPECIALIST IN ROUTE/SITE-LOCATION STUDIES, LANDSLIDES AND SNOW AVALANCHE HAZARD EVOLUTIONS.
GHENT M : RISK AND HAZARD ASSESSMENT AND MONITORING. ENVIRONMENTAL-ASSESSMENT. METEOROLOGY. DATA-BASE SERVICES. OCCUPATIONAL-HEALTH AND SAFETY. ENGINEERING AND INDUSTRIAL PROCESS. INSTRUMENTATION AND LABORATORY SERVICES.
HARRIS IWE : TECHNOLOGY, ENGINEERING AND REGULATIONS RELATING TO OCCUPATIONAL-HEALTH, WASTE-MANAGEMENT (AIR, WATER, LAND) AND PRODUCT LIABILITY. SYNTHETIC ELASTOMERS AND RESINS.

ENGINEERING

KITCHEN CM : APPLICATION OF ENVIRONMENTAL SCIENCES TO PLANNING AND DESIGN ENGINEERING, DECISION MAKING; ENVIRONMENTAL-ASSESSMENT; SOILS & AGRICULTURE; FORESTRY, RECREATION, RESOURCE-MANAGEMENT, NATURAL AREAS RESEARCH.
KOSARIC N : BIOCHEMICAL AND FOOD ENGINEERING. WASTEWATER MANAGEMENT. NEW PROCESS AND PRODUCT DEVELOPMENT RELATED TO ENERGY, FOOD, SPECIALTY CHEMICALS AND ENVIRONMENT.
LANDINE RC : CONSULTING ENGINEERING FIRM WHICH HAS DEVELOPED EXPERTISE IN LOW RATE ANAEROBIC-WASTEWATER-TREATMENT OF INDUSTRIAL WASTEWATER, BIOGAS COLLECTION, BIOGAS HANDLING, BIOGAS UTILIZATION & FLOATING MEMBRANE COVER TECHNOLOGY.
LAWRENCE GR : RESOURCE EXPLORATION AND PRODUCTION SUPPORT, GROUNDWATER AND WASTE-SITE EVALUATION, WEATHER MODIFICATION AND METEOROLOGICAL SERVICES, REMOTE-SENSING AND BIOPHYSICAL STUDIES. PETROLEUM ENGINEERING, HYDROGEOLOGICAL, ATMOSPHERIC AND BIOPHYSICAL ASSESSMENTS.
LOGAN LA : WATER-RESOURCE SYSTEMS AND ENGINEERING: STOCHASTIC HYDROLOGY, RISK AND DECISION ANALYSES. ADVICE IN SOLVING WATER-MANAGEMENT PROBLEMS OF WATER-QUALITY CONTROL AND PROTECTION.
LOVETT AM : AIR-MONITORING & SAMPLING INLET ENGINEERING.
MABER CT : GEOTECHNICAL ENGINEERING.
MADRAMOOTOO C : AGRICULTURAL HYDROLOGY, WATERSHED ENGINEERING, ESTIMATION OF PEAK FLOWS, HYDROLOGIC TIME PARAMETERS & HYDROGRAPH ANALYSIS. TRICKLE IRRIGATION SYSTEM DESIGN. SOIL EROSION & SEDIMENTATION, ESTIMATION PESTICIDE & CHEMICAL LOSSES FROM AGRICULTURAL WATERSHEDS.
MARSHALL DWI : ENVIRONMENTAL-PROTECTION, ENVIRONMENTAL ENGINEERING, ENVIRONMENTAL DESIGN, ENVIRONMENTAL AND SOCIAL IMPACT-ASSESSMENT, PUBLIC-PARTICIPATION, PROVISION OF TECHNICAL AND ADMINISTRATIVE ADVICE TO ENVIRONMENTAL REVIEW COMMISSIONS, CHAIRMAN OF PUBLIC REVIEW PANELS, POLICY FORMULATION, PROGRAM AND PROJECT MANAGEMENT. ARCTIC PILOT PROJECT.
MCKYES E : SOIL MECHANICS FOR AGRICULTURAL ENGINEERING INCLUDING SOIL-CUTTING ANALYSES, THEORIES OF SOIL-CUTTING AND TILLAGE, TILLAGE TOOL DESIGN, FOUNDATIONS. DIGESTION, SEPARATION & LAND DISPOSAL OF ORGANIC-WASTES. MACHINE DESIGN.
MELOCHE PH : FORINTEK CANADA CORP. IS A PRIVATE, NON-PROFIT RESEARCH AND DEVELOPMENT CORPORATION ACTIVELY ENGAGED IN ALL MAJOR SCIENTIFIC AND TECHNICAL DISCIPLINE RELATED TO WOOD PRODUCTS: SAWMILLING; SEASONING; MACHINING; COMPOSITE PRODUCTS; ADHESIVES; WOOD BASED ENERGY AND CHEMICALS; HOUSING MATERIALS SCIENCE; TIMBER ENGINEERING; WOOD PRESERVATION; FIRE RETARDANTS AND THE WOOD SCIENCES. ASSISTANCE AND EXPERT ADVICE ARE AVAILABLE TO FOREST PRODUCTS INDUSTRIES, GOVERNMENT AGENCIES, TRADE ASSOCIATIONS, CONSULTANTS, EQUIPMENT MANUFACTURERS, EDUCATIONAL INSTITUTIONS AND THE GENERAL PUBLIC.
O'BRIEN RN : APPLIED CHEMICAL RESEARCH OF ALL TYPES EXCLUDING HEAVY CHEMICAL ENGINEERING.
PALMER JHL : EXPERTISE IN AVALANCHE HAZARDS & PREDICTION, FROST ACTION, ICE FORCES ON STRUCTURES, ICE PROPERTIES, PERMAFROST ENGINEERING, SLOPE STABILITY, THERMAL REGIME OF SOIL. HEAD, GEOTECHNICAL SECTION.
QUIGLEY RM : MIGRATION OF SOLUBLE SALTS THROUGH CLAY BARRIERS BY DIFFUSION FIELD STUDIES. CLAY MINERALOGY AND SOIL-CHEMISTRY APPLIED TO ENGINEERING PROBLEMS OF SOIL AND ROCK; GEOTECHNICAL ENGINEERING.
ROMANO LS : CHEMICAL ENGINEERING. MINING AND COMBUSTION CONTROL; HEAVY CHEMICAL INDUSTRY TECHNICAL DEVELOPMENT MANAGEMENT. SEWAGE AND WASTE CONTROL EXPERIENCE. FIRST CHEMICAL-PHYSICAL S.T.P. AND AERATED COMPOST FACILITY IN CANADA.
SMITH JW : INDUSTRIAL-HYGIENE ENGINEERING AND POLLUTION-CONTROL, CERTIFIED INDUSTRIAL HYGIENIST AND DESIGNATED SPECIALIST IN OCCUPATIONAL-HEALTH AND SAFETY, IMPACT AND RISK-ASSESSMENT, AIR-QUALITY MONITORING.
SZABO BS : MECHANICAL AND ELECTRICAL ENGINEERING RELATED TO BUILDING DESIGN COVERING CONCEPT, DESIGN AND DEVELOPMENT, CONSTRUCTION ADMINISTRATION, SYSTEMS MANAGEMENT AND OPERATIONS. IN DEPTH CAPABILITIES IN FIELDS OF ENERGY STUDIES, GENERATION, TRANSMISSION, DISTRIBUTION AND UTILIZATION; POLLUTION-CONTROL, ENVIRONMENTAL STUDIES, BUILDING AUTOMATION DESIGNS.
TAYLOR PA : STUDIES OF WIND & TURBULENCE IN THE ATMOSPHERIC BOUNDARY LAYER, ESPECIALLY IN COMPLEX TERRAIN. WIND ENGINEERING APPLICATIONS OF THIS WORK, ESPECIALLY IN WOOD TURBINE SITE SELECTION & EVALUATION. NUMERICAL MODELLING & FIELD OBSERVATIONS.
TELEKI GC : ENGINEERING & BIOLOGICAL SCIENCES RELATED ENVIRONMENTAL-ASSESSMENT & MONITORING. ENVIRONMENTAL (NATURAL) RESOURCE-MANAGEMENT MODELLING. ENVIRONMENTAL-IMPACT-ASSESSMENT. FISHERIES & AQUATIC SCIENCES.
TOPUSCHAK R : ALBERTA ENVIRONMENT TECHNICAL SERVICES DIVISION IS RESPONSIBLE FOR PROVIDING THE DEPARTMENT WITH ALL NECESSARY EXPERTISE IN RIVER FLOW FORECASTING RIVER ENGINEERING, SURFACE-WATER HYDROLOGY AND SURVEYING. IT COORDINATES THE OPERATIONS IN THE PHYSICAL ASSESSMENT OF THE OCCURENCE, CONTROL AND EFFECT OF SURFACE-WATER IN RELATION TO NATURAL PHENOMENA, MAN-MADE WORKS AND PROPOSED PROJECTS.
TOWNSHEND AR : COLD CLIMATE NORTHERN & RURAL ENVIRONMENTAL ENGINEERING TECHNOLOGIES FOR THE PROTECTION OF THE ENVIRONMENT & QUALITY OF LIFE; TECHNOLOGIES FOR WATER SOURCE DEVELOPMENT & TREATMENT, WATER CONSERVATION, WASTEWATER-TREATMENT & DISPOSAL, SOLID-WASTE MANAGEMENT & ENERGY-CONSERVATION.

ENTEROTOXINS

ENTEROTOXINS

KHACHATOURIANS GG : ASSESSMENT OF MICROBIAL TOXINS FOUND IN THE ENVIRONMENT. WORK ON MYCOTOXINS T-2, VOMITOXIN, BACILLUS THURINGIENSIS, DELTA TOXIN & ENTEROTOXINS ON INVERTEBRATES IN NATURAL ENVIRONMENTS. ANALYSIS OF POTENTIAL ENVIRONMENTAL TOXICANTS BY MICROBIAL MUTAGENICITY TESTS. EPIDEMIOLOGY OF ENTEROTOXIGENIC E.-COLI IN HUMAN & ANIMAL ENVIRONMENTS. PERSISTANCE OF MICROBIAL INSECTICIDES IN THE AGRICULTURAL ENVIRONMENT.

ENTOMOLOGIE

JOBIN LJ : DEVELOPPEMENT DE PIEGES A INSECTES ET DE RESEAUX PERMETTANT LA DETECTION ET LA SURVEILLANCE D' INSECTES INVISIBLES AUX FORETS ET A L' AGRICULTURE. PIEGES A PHEROMONES SEXUELLES ET PIEGES-LUMINEUX. ENTOMOLOGIE FORESTIERE. PROTECTION DES FORETS.

ENTOMOLOGY

FOGAL WH : FOREST-PROTECTION RESEARCH ON SEED TREES AND PLANTATIONS (ENTOMOLOGY AND PATHOLOGY), CHEMICAL-CONTROL (GROUND APPLICATIONS), BIOLOGICAL CONTROL (MICROBIALS), CULTURAL-CONTROL (HOST RESISTANCE; FOREST-STAND MANAGEMENT).

KEVAN DK : BIOSYSTEMATICS AND ECOLOGY OF ORTHOPTEROID INSECTS (LOCUSTS. GRASSHOPPERS. CRICKETS. COCKROACHES. TERMITES AND NEUROPTEROID INSECTS (LACEWING-FLIES) SOIL FAUNA STUDIES (ECOLOGY OF MICROARTHROPODS) AND MYRIAPODS RELEVANCE OF ENTOMOLOGICAL FOLKLORE AND CUSTOMS TO SCIENTIFIC ENTOMOLOGY.

SAWCHYN WW : AQUATIC ECOLOGY WITH EMPHASIS ON FISHERIES, AQUATIC ENTOMOLOGY, BRINE SHRIMP AND AQUACULTURE.

ENTOMOPATHOGENES

VALERO JR : LUTTE MICROBIOLOGIQUE CONTRE LES INSECTES NUISIBLES. APPLICATION OPERATIONNELLE DE BACILLUS THURINGIENSIS POUR LE CONTROLE DES LEPIDOPTERES UTILISATION DES VIRUS ENTOMOPATHOGENES, EN PARTICULIER LES BACULOVIRUS POUR LA REPRESSION A COURT ET A LONG TERMES DES INSECTES. PATHO-BIOCHIMIE DES INSECTES.

ENTOMOPHTHORA-MUSCAL

TU CM : INTERACTION BETWEEN PESTICIDES AND SOIL MICROORGANISMS. DEVELOPMENT OF FUNGICIDE RESISTANT RHYZOBIAL BACTERIA. FEASIBILITY OF USING ENTOMOPHTHORA-MUSCAL TO CONTROL DIPTEROUS INSECTS.

ENVIRONMENTAL-ASSESSMENT

BELTAOS S : RIVER ICE BREAKUP AND ICE JAMS. FIELD OBSERVATIONS, LABORATORY AND THEORETICAL INVESTIGATIONS. MAIN CONCERNS: EFFECTS ON FLOODING AND ALLEVIATION MEASURES; SHORT AND LONG-TERM FORECASTING; ENVIRONMENTAL-ASSESSMENT.

BESNER DI : STUDIES ON VARIETY OF ENVIRONMENTAL ISSUES: IMPACTS OF ACID-RAIN (WET SULPHATE DEPOSITION), FATE OF PESTICIDES, PH SHOCK FROM SNOWMELT. ORIENTED TO PRACTICAL APPLICATION OF CONTROL PROGRAMS, ENVIRONMENTAL-PLANNING & ENVIRONMENTAL-ASSESSMENT TECHNIQUES.

BROUGHTON ER : ENVIRONMENTAL-ASSESSMENT AND DESIGN ASSOCIATED WITH NATURAL RESOURCES AND INDUSTRY SPECIFICALLY FISH CULTURE, AND INDUSTRIAL-WASTES CONDITIONING AND RECOVERY.

DE'ATH CE : KOREA: RESEARCH ON POPULATION, AIR & WATER-QUALITY, NUCLEAR-WASTE, AGRICULTURE & INDUSTRIAL POLLUTION WILDLIFE. PAPUA-NEW-GUINEA: MANUS-ISLAND & FORESTRY DEVELOPMENT IMPACTS. CANADA: SOCIAL & ENVIRONMENTAL-ASSESSMENT (LAKE EUGENIA, NWT), ENERGY EDUCATION IN ONTARIO, MINING IN WINDIGO TRIBAL AREA OF NORTHERN ONTARIO.

DERMOTT RM : ENVIRONMENTAL-ASSESSMENT OF LAKE & STREAM INVERTEBRATE POPULATIONS. TAXONOMY OF LAKE BENTHIC INVERTEBRATES. FEEDING & GROWTH RATES.

EAGLES PFJ : AUTHORITY IN ENVIRONMENTALLY SENSITIVE AREA PLANNING AND MANAGEMENT, PARK PLANNING, OUTDOOR EDUCATION AND ENVIRONMENTAL-ASSESSMENT.

GHENT M : RISK AND HAZARD ASSESSMENT AND MONITORING. ENVIRONMENTAL-ASSESSMENT. METEOROLOGY. DATA-BASE SERVICES. OCCUPATIONAL-HEALTH AND SAFETY. ENGINEERING AND INDUSTRIAL PROCESS. INSTRUMENTATION AND LABORATORY SERVICES.

KEMPER JB : ENVIRONMENTAL-ASSESSMENT & MITIGATION RELATED TO WATER-RESOURCE MANAGEMENT: FISHWAYS, INSTREAM FLOW NEEDS, WATER-QUALITY MODELLING, HABITAT ENHANCEMENT.

KITCHEN CM : APPLICATION OF ENVIRONMENTAL SCIENCES TO PLANNING AND DESIGN ENGINEERING, DECISION MAKING; ENVIRONMENTAL-ASSESSMENT; SOILS & AGRICULTURE; FORESTRY, RECREATION, RESOURCE-MANAGEMENT. NATURAL AREAS RESEARCH.

PROKOPUK R : FOSSIL FUELS FOR HEATING. POWER GENERATION AND PROCESS APPLICATIONS: ENVIRONMENTAL-ASSESSMENT: AIR, WATER AND SOIL POLLUTION FROM STATIONARY AND MOBILE SOURCES; ANALYTICAL LABORATORY TECHNIQUES.

RAISTRICK TN : REVIEW OF ENVIRONMENT CANADA'S ENVIRONMENTAL BASELINE INFORMATION SOURCES. NATIONAL INVENTORY OF BIOLOGICAL EFFECTS MONITORING PROGRAMS. ENVIRONMENTAL-IMPACT OF RESOURCE ROAD DEVELOPMENT. ENVIRONMENTAL-ASSESSMENT METHODS.

ENVIRONMENTAL-ASSESSMENT

SADAR MH : SCIENTIFIC ADVISOR TO FEARO AND THE SECRETARIAT OF ENVIRONMENTAL-ASSESSMENT PANELS. MEMBER FEARO RESEARCH MANAGEMENT TEAM. MANAGER OF CANADIAN ENVIRONMENTAL-ASSESSMENT RESEARCH COUNCIL (CEARC) SECRETARIAT. RESEARCH INTERESTS INCLUDE SOCIAL IMPACT, CUMULATIVE IMPACTS, MONITORING, POST-AUDIT AND RISK-ASSESSMENT.

TELEKI GC : ENGINEERING & BIOLOGICAL SCIENCES RELATED ENVIRONMENTAL-ASSESSMENT & MONITORING. ENVIRONMENTAL (NATURAL) RESOURCE-MANAGEMENT MODELLING. ENVIRONMENTAL-IMPACT-ASSESSMENT. FISHERIES & AQUATIC SCIENCES.

WRIGHT DS : ENVIRONMENTAL-ASSESSMENT AND IMPACT EVALUATION. PRIVATE-SECTOR EXPERIENCE IN APPLICATION OF ENVIRONMENTAL-ASSESSMENT METHODS TO LARGE-SCALE ENERGY PROJECTS, AND PUBLIC SECTOR EXPERIENCE IN DEVELOPMENT OF ENVIRONMENTAL-ASSESSMENT AND REVIEW PROCEDURES FOR CANADIAN AND INTERNATIONAL AID PROJECTS. EXPERIENCE IN POLICY FORMULATION, PLANNING AND ISSUE MANAGEMENT.

ZACH R : EFFECTS OF RADIATION ON THE ENVIRONMENT. MOVEMENT OF RADIONUCLIDES IN THE ENVIRONMENT. NUCLEAR FUEL, WASTE-MANAGEMENT, ENVIRONMENTAL-ASSESSMENT. EFFECTS OF RADIATION ON BIRDS. ECOLOGY.

ENVIRONMENTAL-AUDITING

SEIF F : ORGANIC-CHEMISTRY. ENVIRONMENTAL-PROTECTION PARTICULARLY RELATED TO AIR AND WASTE-MANAGEMENT. ENVIRONMENTAL-MANAGEMENT; R&D ENVIRONMENTAL SCIENCES; ENVIRONMENTAL-AUDITING.

YONG RN : RESEARCH INVOLVES ENVIRONMENTAL-AUDITING PERTAINING TO HAZARDOUS-WASTE DISPOSAL AND MANAGEMENT. RESEARCH THEMES ADDRESSED INCLUDE CONTAMINANT MIGRATION MODELLING IN SOILS, SOIL DECONTAMINATION, TOXICITY ASSESSMENT, CONTAMINANT BIODEGRADATION, LAND FARMING, REMEDIAL MEASURES, SOIL BIOTECHNOLOGY.

ENVIRONMENTAL-CONTAMINANTS

LEE EGH : MUTAGENICITY OF ENVIRONMENTAL-CONTAMINANTS INVESTIGATED USING THE AMES-SALMONELLA-ASSAYS. FISH DISEASE DIAGNOSTIC SERVICES FOR BACTERIAL KIDNEY DISEASE & INFECTIOUS HEMATOPOIETIC-NECROSIS TEST. BIOPOLYMER PRODUCTION FROM METHANOL FERMENTATION.

WEAVER RS : MANAGEMENT OF RESEARCH IN THE FOLLOWING AREAS: AIR, WATER AND SOIL-ANALYSES; EFFECTS OF ENVIRONMENTAL-CONTAMINANTS IN AIR, WATER AND SOIL ON PLANTS, WILDLIFE AND DOMESTIC ANIMALS, AQUATIC VERTEBRATES AND INVERTEBRATES, AND MICRO-ORGANISMS; HAZARDOUS-WASTE DISPOSAL.

ENVIRONMENTAL-CONTAMINATION

BAKER JR : ENGINEERING & CONSTRUCTION OF FLUIDIZED RATION BED INCINERATION ("SUPERBURN" PROCESS) FOR MUNICIPAL & INDUSTRIAL-WASTE SYSTEMS ARE HIGHLY EFFICIENT, WITH LITTLE OR NO ENVIRONMENTAL-CONTAMINATION.

CASE JW : AIR-POLLUTION & ACID-PRECIPITATION BIOMONITORING: ENVIRONMENTAL-CONTAMINATION MONITORING PROGRAM DESIGN & IMPLEMENTATION; GEOBOTANICAL-PROSPECTING; MICRO COMPUTER APPLICATIONS FOR DATA COLLECTION, STATISTICAL-ANALYSIS, INFORMATION PRESENTATION & REDUCTION.

PHILLIPS SF : VEGETATION & SOIL STUDIES TO DETERMINE DEGREE & EXTENT OF ENVIRONMENTAL-CONTAMINATION & EFFECTS ON TERRESTRIAL-ECOSYSTEMS. DIRECT & INDIRECT EFFECTS OF HEAVY-METALS & SULPHUR-DIOXIDE FROM NON-FERROUS METAL SMELTERS ON BOREAL-FOREST ECOSYSTEMS; MONITOR LRTAPS, WOOD PRESERVATIVE CHEMICALS.

ENVIRONMENTAL-ENGINEERING

ALDI RG : ENVIRONMENTAL-ENGINEERING INVOLVING AIR-POLLUTION & AIR-POLLUTION CONTROL. ENVIRONMENTAL-MONITORING & ASSESSMENT. CONTROL DESIGN. INDUSTRIAL ODOUR ANALYSIS & SAMPLING.

BURGESS LCN : FLOOD HAZARD EVALUATION THROUGH REMOTE-SENSING. ENVIRONMENTAL-PROTECTION. SUBUNIT'S EXPERTISE ALSO INCLUDES OCEANOGRAPHY, WILDLIFE, FISHERY & MARINE BIOLOGY, HYDROLOGY, GEOMORPHOLOGY, MARINE MAMMALS, ENVIRONMENTAL-ENGINEERING.

CURTIS FA : ENVIRONMENTAL-IMPACT-ASSESSMENT; ENVIRONMENTAL PLANNING AND MANAGEMENT; ENVIRONMENTAL EDUCATION; PROJECT PLANNING AND DEVELOPMENT; ENVIRONMENTAL-ENGINEERING; ENVIRONMENTAL MEDIATION; DISTANCE EDUCATION.

HEINKE GW : PHYSICAL AND CHEMICAL WATER AND WASTEWATER-TREATMENT. ARCTIC ENVIRONMENTAL-ENGINEERING. URBAN INFRASTRUCTURE STUDIES.

SMITH DW : OZONE TREATMENT OF WATER AND WASTEWATER. COLD REGIONS ENVIRONMENTAL-ENGINEERING. SCALE UP OF WATER AND WASTEWATER-TREATMENT PROCESSES. DISINFECTION. MIXING AND MICROORGANISMS IN RIVERS.

ENVIRONMENTAL-HEALTH

POLAND JS : ANALYSIS OF TRACE-METALS AND TOXIC ORGANIC-COMPOUNDS IN THE ENVIRONMENT. ENVIRONMENTAL-HEALTH AND SAFETY AND RELATIONSHIPS BETWEEN TRACE-ELEMENTS AND HEALTH AND NUTRITION.
SANDERSON HP : ENVIRONMENTAL-HEALTH; ATMOSPHERIC-CHEMISTRY: ORGANIC & INORGANIC; OCCUPATIONAL-HEALTH & WORK ENVIRONMENT. CRITERIA DOCUMENTATION, STANDARDIZATION, METHODOLOGY, ETC.
SHARP DS : ENVIRONMENTAL-HEALTH MANAGEMENT, PUBLIC-HEALTH EXPERIENCE IN DEVELOPING AND MONITORING WATER-SUPPLY AND SANITATION RESEARCH PROPOSALS. THE TOPICS COVERED ARE: TECHNOLOGY DEVELOPMENT, SOCIAL AND MANAGEMENT STUDIES, HEALTH IMPACT STUDIES, WASTE-REUSE RESEARCH, AND MANPOWER DEVELOPMENT PROJECTS.

ENVIRONMENTAL-IMPACT

AUDY E : ENVIRONMENTAL-IMPACT OF PULP-AND-PAPER EFFLUENTS. PROBLEMS RELATED TO THE LOCALIZATION & OPERATION OF LANDFILL SITES.
BERKES F : LIVING RESOURCES, ESPECIALLY FISHERIES, ECOLOGY AND MANAGEMENT; ENVIRONMENTAL-IMPACT OF HYDRO PROJECTS ON FISHERIES; COMMON PROPERTY RESOURCE THEORY; ENVIRONMENT AND RESOURCE POLICIES; SMALL-SCALE FISHERIES AND HUMAN ECOLOGY.
DRAKE JJ : SPATIAL AND TEMPORAL VARIATIONS OF METAL PRECIPITATION IN URBAN AREAS VARIABILITY OF HYDROLOGIC RECORDS ENVIRONMENTAL-IMPACT OF NORTHERN MINING KARST HYDROCHEMISTRY.
EEDY W : DESIGN, MANAGEMENT AND COSTING OF MULTIDISCIPLINARY ENVIRONMENTAL-IMPACT STUDIES, MITIGATION OR CONTINGENCY-PLANNING TERRESTRIAL-ECOLOGY SURVEYS, HAZARDOUS-WASTE MANAGEMENT, RESOURCE ECONOMICS, END-USE PLANNING, AND PUBLIC-PARTICIPATION PROGRAMS.
FORESTER AJ : METALS IN AQUATIC-ECOSYSTEMS. IMPACT OF AIR-POLLUTANTS ON HEALTH AND ENVIRONMENT. INCLUDING DEVELOPING-COUNTRIES. ENVIRONMENTAL-IMPACT OF NUCLEAR WARFARE. SCIENCE AND POLICY.
GREEN GW : BASIC & APPLIED RESEARCH INTO ALL ASPECTS OF FOREST PEST CONTROL WITH BIOLOGICAL & CHEMICAL PESTICIDES INCLUDING EFFICACY, APPLICATION TECHNOLOGY & ENVIRONMENTAL-IMPACT.
HALL HA : RESPONSIBLE FOR MARINE ENVIRONMENTAL-PROTECTION POLICY DEVELOPMENT AND ENFORCEMENT OF REGULATORY INSTRUMENTS FOR POLLUTION-CONTROL AND OCEAN DUMPING. DIRECT THE PROVISION OF ADVICE CONCERNING ENVIRONMENTAL-IMPACT OF OFFSHORE EXPLORATION, AND ENVIRONMENTAL ADVICE AND RESPONSE TO MARINE EMERGENCIES.
HILL SB : AGROECOSYSTEM DESIGN FOR SUSTAINABILITY, NOURISHMENT AND FULFILLMENT. ECOLOGICAL PEST CONTROL AND SOIL MANAGEMENT. ENVIRONMENTAL-IMPACT ON SOIL SYSTEMS. POLICY, PLANNING AND IMPLEMENTATION OF SUSTAINABLE LIFESTYLES.
INTL MARINE ENVIRONMENTALISTS INC : MARINE ENVIRONMENTAL CONSULTING FIRM WITH EXPERTISE IN ENVIRONMENTAL-IMPACT-ASSESSMENTS, POLLUTION BY PESTICIDES & POLYAROMATIC-HYDROCARBONS, MARINE ECOTOXICOLOGY, ESTUARINE DREDGING & THEIR ENVIRONMENTAL-IMPACT.
KIMMINS JP : ENVIRONMENTAL-IMPACT OF FOREST-MANAGEMENT. FOREST ECOSYSTEM FUNCTIONS, BIOMASS AND NUTRIENT-CYCLING, PRODUCTIVITY. COMPUTER-SIMULATION MODELLING OF LONG-TERM IMPACTS OF INTENSIVE FOREST-MANAGEMENT ON YIELD AND SITE FERTILITY - FORCYTE.
KINGSBURY PD : ENVIRONMENTAL-IMPACT OF FORESTRY PESTICIDES IN TERMS OF EFFECTS ON FISH, AQUATIC INVERTEBRATE, SONGBIRD AND TERRESTRIAL INVERTEBRATE POPULATIONS AND THEIR ECOLOGICAL RELATIONSHIPS.
LUM KR : BIOGEOCHEMISTRY OF TRACE-METALS AND METALLOIDS IN THE GREAT LAKES AND ESTUARIES. ASSESSMENT OF THE ENVIRONMENTAL-IMPACT OF METALS IN DREDGED MATERIAL, STEEL SLAGS AND OTHER SOLID MATERIALS. SPECIATION AND BIOAVAILABILITY OF TRACE-METALS AND METALLOIDS.
MCKIBBEN L : ENVIRONMENTAL INVENTORY AND ANALYSIS. ENVIRONMENTAL-IMPACT PREDICTION AND MITIGATION. ENVIRONMENTAL-PLANNING AND MANAGEMENT. LAND-USE REGULATION. ENVIRONMENTALLY SENSITIVE & SIGNIFICANT AREA PROTECTION. HAZARD LAND REGULATION. TRANSPORTATION & UTILITY CORRIDOR PLANNING & MANAGEMENT.
NAZIR M : IMPACT OF FORESTRY OPERATION ON ENVIRONMENT. ENVIRONMENTAL-IMPACT OF HERBICIDE & INSECTICIDE USE.
OVEREND RP : INVESTIGATION OF POTENTIAL AND APPLICATIONS OF BIOMASS LIQUEFACTION AND FRACTIONATION FOR CHEMICALS AND ENERGY. PEAT MINING AND DEWATERING WITH ENVIRONMENTAL-IMPACT AND PROCESS IMPACT.
RAISTRICK TN : REVIEW OF ENVIRONMENT CANADA'S ENVIRONMENTAL BASELINE INFORMATION SOURCES. NATIONAL INVENTORY OF BIOLOGICAL EFFECTS MONITORING PROGRAMS. ENVIRONMENTAL-IMPACT OF RESOURCE ROAD DEVELOPMENT. ENVIRONMENTAL-ASSESSMENT METHODS.
REID KW : MANAGEMENT, BEHAVIOUR & ENVIRONMENTAL-IMPACT OF POTASH MINING WASTES. MEASUREMENT & CONTROL OF THE WORK ENVIRONMENT IN POTASH MINING.
ROSENBERG DM : DESIGN OF ENVIRONMENTAL-IMPACT STUDIES; EFFECTS OF ENVIRONMENTAL DISTURBANCES ON MACROBENTHIC INVERTEBRATES; SAMPLING METHODS & DESIGN OF SAMPLING PROGRAMS FOR MACROBENTHOS; ECOLOGY OF CHIRONOMIDAE; AQUATIC INSECTS OF FRESHWATER WETLANDS.
ROUSE WR : INTERACTION OF CLIMATE & SEA ICE IN HUDSON & JAMES BAYS. MODELLING CLIMATIC, HYDROLOGIC & VEGETATIONAL RELATIONS IN THE COASTAL SALT MARSHES. PREDICTING THE ENVIRONMENTAL-IMPACT OF RIVER DAMS & DIVERSION & CLIMATIC MODIFICATION IN JAMES-BAY & HUDSON BAY.
SIFTON TE : TECHNIQUES FOR INTEGRATED RESOURCE-MANAGEMENT OF PUBLIC LANDS; ENVIRONMENTAL-IMPACT OF SPECIFIC USES OF LAND & WATER; METHODS OF REAL PROPERTY APPRAISAL.
SILVERSIDES CR : TIMBER HARVESTING (ENVIRONMENTAL-IMPACT) SHORT-ROTATION-FORESTRY ENERGY PLANTATIONS. ENERGY FROM BIOMASS AND OTHER RENEWABLES.

ENVIRONMENTAL-IMPACT

SIROIS LL : ALL ASPECTS RELATED TO MINERAL INDUSTRY PROCESS EFFLUENTS: SLIDS (TAILINGS), LIQUIDS (EG. CYANIDE SOLUTIONS) & GASES (EG. AIRBORNE ARSENICAL FUMES). UNDERSTANDING THE PHENOMENA & DEVELOPING SYSTEMS TO REDUCE ENVIRONMENTAL-IMPACT.
TORRENUEVA AL : MONITORING ENVIRONMENTAL-IMPACT ASSOCIATED WITH CONSTRUCTION & OPERATION OF ELECTRIC GENERATING STATIONS (THERMAL, HYDRAULIC & NUCLEAR). NUCLEAR). RESEARCH ON THE EFFECTS OF ACID-DEPOSITION & OTHER AIR-POLLUTANTS ON BIOLOGICAL SYSTEMS. REVEGETATION OF ASH DISPOSAL AREAS.
WALKER JI : AIR-QUALITY; METEOROLOGY; CLIMATOLOGY; ENVIRONMENTAL-IMPACT.

ENVIRONMENTAL-IMPACT-ASSESSMENT

ABOUGUENDIA Z : REVEGETATION STUDIES OF LAND DISTURBED BY MINING ACTIVITIES (E.G. URANIUM TAILINGS, COAL SPOILS). ECOLOGICAL BASELINE STUDIES AND ENVIRONMENTAL-IMPACT-ASSESSMENT. RANGE ECOLOGY & PRODUCTIVITY. RESPONSE OF PLANTS TO AIRBORNE POLLUTANTS.
ATTON FM : LIMNOLOGY: APPLIED ASPECTS AND ENVIRONMENTAL-IMPACT-ASSESSMENT. FISH AND MANAGEMENT OF FISHERIES; IDENTIFICATION OF ARCHAEOLOGICAL FISH FAUNAL MATERIAL. LAKE MANAGEMENT: INFERTILE SUBARCTIC LAKES & EUTROPHIC LAKES. CONSULTANT TO GOVERNMENT, PRIVATE CORPORATIONS.
BAKER WM : TOURIST PARK AND OUTDOOR RECREATION PLANNING (POLICY STRATEGY PROGRAM, PROJECT INCLUDING BASIC NATURAL AND HISTORIC CULTURAL SUPPLY AND INFRASTRUCTURE ASSESSMENT, MARKETING, FINANCIAL AND MANAGEMENT PLANNING, PERFORMANCE EVALUATION, ENVIRONMENTAL-IMPACT-ASSESSMENT RELATIVE TO THE AMENITY ASPECTS OF RESOURCE VALUES NATIVE (INDIAN & INUIT) TOURISM PROGRAM & PROJECT PLANNING AND DEVELOPMENT.
BLAIR N : RESEARCH ASSOCIATE, PROVINCIAL CONSERVATION STRATEGY, NOVA-SCOTIA, INCLUDING PARTICIPATORY ACTION RESEARCH WITH NONGOVERNMENTAL AND GOVERNMENTAL GROUPS, PUBLIC EDUCATION. STUDIES IN FUELWOOD SUPPLY, MARKETING AND DISTRIBUTION IN NOVA-SCOTIA FORESTRY STUDIES: SOCIOLOGICAL, POLICY AND BUSINESS. PROJECT OFFICER IN TRAINING INDONESIANS IN ENVIRONMENTAL SKILLS EG. ENVIRONMENTAL-LAW, ENVIRONMENTAL-IMPACT-ASSESSMENT, ETC.
CURTIS FA : ENVIRONMENTAL-IMPACT-ASSESSMENT; ENVIRONMENTAL PLANNING AND MANAGEMENT; ENVIRONMENTAL EDUCATION; PROJECT PLANNING AND DEVELOPMENT; ENVIRONMENTAL-ENGINEERING; ENVIRONMENTAL MEDIATION; DISTANCE EDUCATION.
DAVIS E : BIOLOGICAL WASTE-TREATMENT FOR DOMESTIC AND INDUSTRIAL APPLICATIONS. PREVENTION OR REDUCTION OF TOTAL TRIHALOMETHANES BY MEANS APPLICABLE TO UNSOPHISTICATED WATER-TREATMENT PLANTS. ENVIRONMENTAL-IMPACT-ASSESSMENT TECHNIQUES MICRO COMPUTER BASED.
FITCHKO J : ENVIRONMENTAL BIOGEOCHEMISTRY, PARTICULARLY MOBILITY, PARTITIONING AND BIOCONCENTRATION OF HEAVY-METALS IN AQUATIC-ECOSYSTEMS. ENVIRONMENTAL-IMPACT-ASSESSMENT.
GORDON DC : MARINE-ECOLOGY, ECOLOGICAL MODELLING, ORGAN CARBON CYCLING. MARINE POLLUTION, ENVIRONMENTAL-IMPACT-ASSESSMENT. ASSESSMENT WITH FOCUS ON ESTUARIES & CONTINENTAL SHELF ENVIRONMENTS.
GOYETTE DE : MARINE ENVIRONMENTAL-IMPACT-ASSESSMENT AND POLLUTION-CONTROL; INDUSTRIAL AND MUNICIPAL DISCHARGES, PACIFIC COAST. SPECIFIC STUDIES ON THE PHYSICAL, CHEMICAL AND BIOLOGICAL IMPACTS OF MINE-TAILINGS AND EFFLUENTS FROM PULP-MILLS; TISSUE TRACE-METALS; MONITORING AND REGULATION COMPLIANCE; ENVIRONMENTAL-IMPACT-ASSESSMENT; PORT & HARBOURS; BIOLOGICAL EFFECTS OF ORGANIC CONTAMINANTS AND URBAN WASTES.
GRAY JA : WATER-RESOURCE ECONOMICS AND PLANNING, WATER-QUALITY ECONOMICS, FOREST ECONOMICS, RECREATION ECONOMICS, BENEFIT-COST-ANALYSIS, ENVIRONMENTAL-IMPACT-ASSESSMENT, RESOURCE FEES AND CHARGES, RESOURCE-POLICY ANALYSIS.
GRIMA AP : WATER-DEMAND ESTIMATION, PARTICULARLY URBAN & RESIDENTIAL. ENERGY-CONSERVATION POLICIES. INSTITUTIONAL INSTRUMENTS FOR ENVIRONMENTAL-QUALITY. PUBLIC INVOLVEMENT IN ENVIRONMENTAL-IMPACT-ASSESSMENT, AND CLIMATE IMPACT-ASSESSMENT.
KERR DC : ENVIRONMENTAL-IMPACT-ASSESSMENT ON AQUATIC & TERRESTRIAL ENVIRONMENTS; WATER-QUALITY ASSESSMENT; WETLAND PRESERVATION. WATER-QUALITY INSTREAM COMPUTER-MODELLING; HYDRODYNAMIC-MODELLING; ENVIRONMENTAL-PLANNING & RESOURCE-MANAGEMENT.
LIAW WK : LIMNOLOGICAL AND FISHERIES INVESTIGATIONS; ASSESSMENT OF FISH-STOCKS; AQUATIC ENVIRONMENTAL-IMPACT-ASSESSMENT; LAKE WATER-QUALITY AND TROPHIC STATUS ASSESSMENT; CULTURE OF FISH FINGERLINGS (WALLEYE AND WHITEFISH).
NAISH VA : ENVIRONMENTAL-IMPACT-ASSESSMENT PARTICULARLY RELATED TO TOXICITY AND TAINTING OF AQUATIC COMMUNITIES AND TASTE OR ODOUR OF RECEIVING WATERS.
NEAME PA : RESEARCH IN NUTRIENT-CYCLING IN AQUATIC-ECOSYSTEMS. EXPERIENCE IN ENVIRONMENTAL-IMPACT-ASSESSMENT AND TROPICAL FISHERIES ECOLOGY.
PRAKASH A : MARINE POLLUTION, COASTAL ZONE MANAGEMENT, COASTAL AQUACULTURE, SHELLFISH, MARINE PRODUCTIVITY, RED-TIDES, SHELLFISH POISONING, ENVIRONMENTAL-QUALITY, ECOLOGY, ENVIRONMENTAL-IMPACT-ASSESSMENT MARINE PHYTOPLANKTON, TOXICITY, PHYSIOLOGY, DINOFLAGELLATES.
ROBERTSON ID : LAND-USE PLANNING WESTERN & NORTHERN CANADA. SINGLE INDUSTRY RESOURCE TOWNS. ENVIRONMENTAL-IMPACT-ASSESSMENT PLANNING FOR MEGA-PROJECTS (PETROCHEMICALS, PIPELINES). URBAN REDEVELOPMENT. CITY PLANNING.
ROSS G : HERBICIDE ENVIRONMENTAL-IMPACT-ASSESSMENT. SPRUCE PLANTATION ESTABLISHMENT, GROWTH & YIELD. GENETIC TREE IMPROVEMENT. TREE NURSERIES. SILVICULTURE WORK STUDY, PRODUCTIVITY TRIALS.
ROSS W : ENVIRONMENTAL-IMPACT-ASSESSMENT. ENERGY POLICY ANALYSIS. ENERGY-CONSERVATION. ENVIRONMENTAL-MANAGEMENT.

ENVIRONMENTAL-IMPACT-ASSESSMENT

ROWSELL JA : CONSULTANT IN TERRESTRIAL-ECOLOGY: BIOCHEMICAL DYNAMICS; REMOTE-SENSING DATA-ANALYSIS; PHYTOTOXICOLOGY; INDUSTRIAL WASTE-MANAGEMENT; LAND APPLICATION OF WASTES; ENVIRONMENTAL-IMPACT-ASSESSMENT; ECOLOGICAL LAND-CLASSIFICATION; PEATLAND BIOLOGY; FLORA, FAUNA SURVEYS.
RUGGLES CP : FRESHWATER FISHERIES - MANAGEMENT AND DEVELOPMENT; ENVIRONMENTAL-IMPACT-ASSESSMENT. FISH PASSAGE AT DAMS. ATLANTIC SALMON ECOLOGY.
STONE RL : DIVISION IS RESPONSIBLE FOR ADMINISTERING THE ENVIRONMENTAL-IMPACT-ASSESSMENT SYSTEM OF THE ALBERTA GOVERNMENT.
SUFFLING RC : BOREAL-FOREST ECOLOGY, QUANTITATIVE ANALYSIS OF LANDSCAPES, FIRE HISTORY; ENVIRONMENTAL-IMPACT-ASSESSMENT OF RESOURCE DEVELOPMENTS; UTILITY CORRIDOR VEGETATION MANAGEMENT.
TELEKI GC : ENGINEERING & BIOLOGICAL SCIENCES RELATED ENVIRONMENTAL-ASSESSMENT & MONITORING. ENVIRONMENTAL (NATURAL) RESOURCE-MANAGEMENT MODELLING. ENVIRONMENTAL-IMPACT-ASSESSMENT. FISHERIES & AQUATIC SCIENCES.
THIE J : LANDSCAPE ECOLOGY, ECOLOGICAL RESEARCH. LAND-USE MONITORING, REMOTE-SENSING, LAND-CAPABILITY INVENTORIES, RESOURCE-MANAGEMENT, ENVIRONMENTAL-IMPACT-ASSESSMENT, GEO INFORMATION-SYSTEMS.
VAN SETERS DA : ENVIRONMENTAL-IMPACT-ASSESSMENT. TERRESTRIAL-ECOLOGY. ENVIRONMENTAL-PLANNING. WATER-RESOURCES MANAGEMENT. CONTINGENCY-PLANNING.
WIKEN EB : TERRESTRIAL-ECOLOGY: ECOLOGICAL LAND-CLASSIFICATION, EVALUATION & MODELLING; LAND CAPABILITY RATING & SUITABILITY; ENVIRONMENTAL-ANALYSIS & MANAGEMENT. COORDINATION ACTIVITIES CONCERNING ACID-RAIN RESEARCH & ENVIRONMENTAL-IMPACT-ASSESSMENT IN AREAS CONCERNING LAND, WATER & WILDLIFE.
WORGAN JP : ENVIRONMENTAL-IMPACT-ASSESSMENT FOR AIRPORT PROJECTS. SPECIALIZATION IN WATER-QUALITY MONITORING AND ASSESSMENT.
ZOLTAI SC : RESEARCH IN DYNAMICS OF WETLANDS IN ARCTIC, SUBARCTIC AND BOREAL REGIONS. RESEARCH IN ENVIRONMENTAL-IMPACT-ASSESSMENT AND IN PLANT SOIL RELATIONSHIPS IN THE ABOVE REGIONS OF CANADA.

ENVIRONMENTAL-IMPACT-ASSESSMENTS

BOYD FC : SENIOR MANAGER, ADMINISTRATION TECHNICAL SUPERVISION, MULTIPLE RESOURCE USE, FISH-HABITAT PROTECTION AND MANAGEMENT. ENVIRONMENTAL-IMPACT-ASSESSMENTS; MULTIPLE USE PLANNING AND POLICY DEVELOPMENT. HABITAT INVENTORY, RESTORATION AND DEVELOPMENT PLANNING.
INTL MARINE ENVIRONMENTALISTS INC : MARINE ENVIRONMENTAL CONSULTING FIRM WITH EXPERTISE IN ENVIRONMENTAL-IMPACT-ASSESSMENTS, POLLUTION BY PESTICIDES & POLYAROMATIC-HYDROCARBONS, MARINE ECOTOXICOLOGY, ESTUARINE DREDGING & THEIR ENVIRONMENTAL-IMPACT.
MULAMOOTTIL G : WETLAND ECOLOGY; LAND-USE AND ENCROACHMENTS IMPACTING ON WETLANDS; URBAN DRAINAGE PROBLEMS FOCUSSING ON STORMWATER MANAGEMENT; DETENTION FACILITIES; ENVIRONMENTAL-IMPACT-ASSESSMENTS RELATED TO WATER-RESOURCES.
OSWALD ET : VEGETATION CLASSIFICATION AND MAPPING, PLANT ECOLOGY, FOREST RESOURCE ANALYSES AND ENVIRONMENTAL-IMPACT-ASSESSMENTS IN NORTH AND WEST CANADA, EXPERTISE IN VEGETATION CLASSIFICATION, SITE-ANALYSIS, PLANT-SUCCESSION, WETLANDS AND REMOTE-SENSING.
WHEATOON EE : APPLIED CLIMATOLOGY, ESPECIALLY IN AGRICULTURE; DUST STORMS & WIND EROSION. ENVIRONMENTAL-IMPACT-ASSESSMENTS DESCRIPTIVE CLIMATOLOGY, AIR-POLLUTION CLIMATOLOGY, CLIMATIC VARIATION AND CHANGE, ENERGY CLIMATOLOGY.

ENVIRONMENTAL-LAW

ANDREWS WJ : ENVIRONMENTAL-LAW.
BLAIR N : RESEARCH ASSOCIATE. PROVINCIAL CONSERVATION STRATEGY, NOVA-SCOTIA, INCLUDING PARTICIPATORY ACTION RESEARCH WITH NONGOVERNMENTAL AND GOVERNMENTAL GROUPS, PUBLIC EDUCATION. STUDIES IN FUELWOOD SUPPLY, MARKETING AND DISTRIBUTION IN NOVA-SCOTIA FORESTRY STUDIES: SOCIOLOGICAL, POLICY AND BUSINESS. PROJECT OFFICER IN TRAINING INDONESIANS IN ENVIRONMENTAL SKILLS EG. ENVIRONMENTAL-LAW, ENVIRONMENTAL-IMPACT-ASSESSMENT, ETC.

ENVIRONMENTAL-LEGISLATION

DWIVEDI OP : ENVIRONMENTAL POLICY PLANNING AND MANAGEMENT, ENVIRONMENTAL-LEGISLATION, ACCOUNTABLE ENVIRONMENTAL-MANAGEMENT, INTERGOVERNMENTAL AND INTERNATIONAL ENVIRONMENTAL RELATIONS, NORTH-SOUTH ENVIRONMENTAL RELATIONS, AND ENVIRONMENTAL ADMINISTRATION. ENVIRONMENTAL MENTAL ETHICS. POVERTY AND POLLUTION. RELIGIOUS IMPERATIVES TO ENVIRONMENTAL CRISIS.

ENVIRONMENTAL-MANAGEMENT

ENVIRONMENTAL-MANAGEMENT

DWIVEDI OP : ENVIRONMENTAL POLICY PLANNING AND MANAGEMENT. ENVIRONMENTAL-LEGISLATION. ACCOUNTABLE ENVIRONMENTAL-MANAGEMENT. INTERGOVERNMENTAL AND INTERNATIONAL ENVIRONMENTAL RELATIONS. NORTH-SOUTH ENVIRONMENTAL RELATIONS. AND ENVIRONMENTAL ADMINISTRATION. ENVIRONMENTAL MENTAL ETHICS. POVERTY AND POLLUTION. RELIGIOUS IMPERATIVES TO ENVIRONMENTAL CRISIS.

INSTITUTE FOR ENVIRONMENTAL STUDIE : ENVIRONMENTAL-MANAGEMENT INCLUDING ENVIRONMENTAL PERCEPTION, GREAT-LAKES ECOSYSTEMS REHABILITATION, CLIMATE IMPACT-ASSESSMENT IMPACT OF THIRD-WORLD URBANIZATION, RISK-ASSESSMENT, IMPACTS OF ACID-RAIN AND METALS ON BIOLOGICAL SYSTEMS, MODELLING PATHWAYS OF TOXIC SUBSTANCES, ENVIRONMENTAL-TOXICOLOGY.

ROSS W : ENVIRONMENTAL-IMPACT-ASSESSMENT. ENERGY POLICY ANALYSIS. ENERGY-CONSERVATION. ENVIRONMENTAL-MANAGEMENT.

SEIF F : ORGANIC-CHEMISTRY. ENVIRONMENTAL-PROTECTION PARTICULARLY RELATED TO AIR AND WASTE-MANAGEMENT. ENVIRONMENTAL-MANAGEMENT; R&D ENVIRONMENTAL SCIENCES; ENVIRONMENTAL-AUDITING.

SEWELL WRD : REVIEW OF FACTORS APPEARING TO DETERMINE WHICH ENVIRONMENTAL ISSUES GET ON POLITICAL AGENDA. CONSIDERATION OF ROLE OF PROFESSIONALS IN ENVIRONMENTAL-MANAGEMENT, NOTABLY ENGINEERS, PUBLIC HEALTH OFFICIALS, PLANNERS, LAWYERS & ECONOMISTS.

ENVIRONMENTAL-MONITORING

ALDI RG : ENVIRONMENTAL-ENGINEERING INVOLVING AIR-POLLUTION & AIR-POLLUTION CONTROL. ENVIRONMENTAL-MONITORING & ASSESSMENT. CONTROL DESIGN. INDUSTRIAL ODOUR ANALYSIS & SAMPLING.

CARTER JA : BENTHIC ECOLOGY; ENVIRONMENTAL-MONITORING & IMPACT ASSESSMENT; HYDROCARBON MONITORING; DIVER INSTRUMENTATION.

COOPER EL : ENVIRONMENTAL-MONITORING AND RESEARCH ON THE BEHAVIOUR OF RADIONUCLIDES IN THE ENVIRONMENT. ALSO INTERESTED IN THE USES OF RADIOTRACERS AND NUCLEAR METHODS IN STUDIES OF ENVIRONMENTAL PROCESSES.

HOCKING MB : STUDY OF EFFLUENTS FROM BLEACHING OF WOOD PULP; ENVIRONMENTAL-MONITORING; CHEMICAL PROCESS EMISSION CHARACTERISTICS & THEIR CONTROL.

SIEBERT H : ENVIRONMENTAL-MONITORING OF PLANT, AIR & WATER EFFLUENTS. SUGGESTING REMEDIAL CORRECTIVE ACTIONS ON VIOLATIONS.

ENVIRONMENTAL-MUTAGENESIS

DOUGLAS GR : GENETIC TOXICOLOGY. MUTAGENESIS. GENETIC MONITORING OF HUMAN POPULATION. APPLICATION OF GENETIC TOXICOLOGY DATA IN REGULATION OF CHEMICALS. WORLD HEALTH ORGANIZATION COLLABORATION CENTRE ON ENVIRONMENTAL-MUTAGENESIS.

ENVIRONMENTAL-MUTAGENS

GRANT WF : CYTOGENETIC EFFECTS OF ENVIRONMENTAL CHEMICALS. PRIMARILY PESTICIDES. USE OF HIGHER PLANT ASSAY SYSTEMS FOR TESTING FOR ENVIRONMENTAL-MUTAGENS.

ENVIRONMENTAL-PLANNING

BERNHART AP : ENVIRONMENTAL-PLANNING AND ENGINEERING APPLYING A NEW METHOD OF POLLUTION-CONTROL WHEREBY ORGANIC & TOXIC POLLUTANTS ARE ABSORBED BY VEGETATIVE MATTER. CHANGING SOCIAL PATTERNS WHICH WILL POSITIVELY INFLUENCE THE ENVIRONMENT.

BESNER DI : STUDIES ON VARIETY OF ENVIRONMENTAL ISSUES: IMPACTS OF ACID-RAIN (WET SULPHATE DEPOSITION), FATE OF PESTICIDES, PH SHOCK FROM SNOWMELT. ORIENTED TO PRACTICAL APPLICATION OF CONTROL PROGRAMS, ENVIRONMENTAL-PLANNING & ENVIRONMENTAL-ASSESSMENT TECHNIQUES.

BROWN WFM : INDUSTRIAL ENVIRONMENTAL-PLANNING AND CONTROL. AIR, WATER AND SOLID AND LIQUID-WASTE. BUFFER AREAS, LANDSCAPING.

KERR DC : ENVIRONMENTAL-IMPACT-ASSESSMENT ON AQUATIC & TERRESTRIAL ENVIRONMENTS; WATER-QUALITY ASSESSMENT; WETLAND PRESERVATION. WATER-QUALITY INSTREAM COMPUTER-MODELLING; HYDRODYNAMIC-MODELLING; ENVIRONMENTAL-PLANNING & RESOURCE-MANAGEMENT.

LASENBY DC : LOCAL AND METROPOLITAN GOVERNMENT, ORGANIZATION AND MANAGEMENT. ENVIRONMENTAL-PLANNING. HOUSING. RURAL-PLANNING.

MCKIBBEN L : ENVIRONMENTAL INVENTORY AND ANALYSIS. ENVIRONMENTAL-IMPACT PREDICTION AND MITIGATION. ENVIRONMENTAL-PLANNING AND MANAGEMENT. LAND-USE REGULATION. ENVIRONMENTALLY SENSITIVE & SIGNIFICANT AREA PROTECTION. HAZARD LAND REGULATION. TRANSPORTATION & UTILITY CORRIDOR PLANNING & MANAGEMENT.

O'RIORDAN J : DEVELOPMENT OF ENVIRONMENTAL-PLANNING ON A REGIONAL SCALE TO ESTABLISH SPECIFIC ENVIRONMENTAL OBJECTIVES. THESE OBJECTIVES IN TURN SUPPORT LONG-TERM GOALS SUCH AS SUSTAINABLE DEVELOPMENT.

VAN SETERS DA : ENVIRONMENTAL-IMPACT-ASSESSMENT. TERRESTRIAL-ECOLOGY. ENVIRONMENTAL-PLANNING. WATER-RESOURCES MANAGEMENT. CONTINGENCY-PLANNING.

ENVIRONMENTAL-POLLUTION

CHO CM : ENVIRONMENTAL-POLLUTION PROBLEMS RELATED TO THE USE OF AGRICULTURAL PRODUCTS SUCH AS FERTILIZERS PESTICIDES. STUDY ON THE DENITRIFICATION & TRANSPORT PROCESSES IN SOIL.
KHAN SU : FATE OF PESTICIDES IN SOIL, PLANT, WATER & ANIMALS. ENVIRONMENTAL-POLLUTION. CHEMICAL & BIODEGRADATION OF PESTICIDES. BIOAVAILABILITY & TOXICOLOGY OF PESTICIDES IN ANIMALS, PESTICIDE DEGRADING PLASMIDS, BIOTECHNOLOGY OF PESTICIDES.
NERI LC : ENVIRONMENTAL-POLLUTION, INDOOR-AIR, VDT'S & REPRODUCTIVE EPIDEMIOLOGY, LEAD, MAGNESIUM & HEART-DISEASE. CONDUCT OF EPIDEMIOLOGICAL-STUDIES, CRITICAL REVIEWS OF LITERATURE, DESIGN OF INVESTIGATIONS.

ENVIRONMENTAL-QUALITY

GRIMA AP : WATER-DEMAND ESTIMATION, PARTICULARLY URBAN & RESIDENTIAL. ENERGY-CONSERVATION POLICIES. INSTITUTIONAL INSTRUMENTS FOR ENVIRONMENTAL-QUALITY. PUBLIC INVOLVEMENT IN ENVIRONMENTAL-IMPACT-ASSESSMENT, AND CLIMATE IMPACT-ASSESSMENT.
KUCERA E : MAMMALS AS INDICATORS OF ENVIRONMENTAL-QUALITY OR CONTAMINATION. MERCURY IN MINK & OTTER. HEAVY-METALS IN WILD MAMMALS. FLUORIDES IN DEER & SMALL MAMMALS. TRANSLATOR: CZECH, GERMAN, RUSSIAN, SLOVAK INTO ENGLISH; ENGLISH INTO CZECH, GERMAN.
MACCRIMMON HR : RESEARCH LIES WITHIN AREA OF FISHERIES SCIENCE & MANAGEMENT; LIMNOLOGY & ENVIRONMENTAL-QUALITY, ESPECIALLY WARMWATER & COLDWATER AQUACULTURE & FISH BIOLOGY, ECOLOGY, & ZOOGEOGRAPHY.
PRAKASH A : MARINE POLLUTION, COASTAL ZONE MANAGEMENT, COASTAL AQUACULTURE, SHELLFISH, MARINE PRODUCTIVITY, RED-TIDES, SHELLFISH POISONING, ENVIRONMENTAL-QUALITY, ECOLOGY, ENVIRONMENTAL-IMPACT-ASSESSMENT MARINE PHYTOPLANKTON, TOXICITY, PHYSIOLOGY, DINOFLAGELLATES.

ENVIRONNEMENT-AQUATIQUE

GODBOUT G : BIBLIOGRAPHIES; DOCUMENTATION; INFORMATION SCIENTIFIQUE; TELEREFERENCE; REFERENCE; RENSEIGNEMENT TECHNIQUE; BANQUE-BIBLIOGRAPHIQUE AUTOMATISEE; ENVIRONNEMENT EAU; RESSOURCE EAU; ENVIRONNEMENT-AQUATIQUE; EAU RESSOURCE; ECOLOGIE EAU; ECOLOGIE-AQUATIQUE; HYDROLOGIE; LIMNOLOGIE; ASSAINISSEMENT-EAU; TRAITEMENT-EAUX-USEES.
SASSEVILLE JL : IMPACT-ENVIRONNEMENTAL; ENVIRONNEMENT-AQUATIQUE; EVALUATION-DES-IMPACTS; ENVIRONNEMENT EAU; ECOSYSTEME AQUATIQUE; RESSOURCE EAU; GESTION-EAU; PLANIFICATION-EAU; ADMINISTRATION EAU; DEVELOPPEMENT EAU; DECISION EAU; PREVISION EAU; CONTROLE-EAU; EVALUATION RISQUE-ENVIRONNEMENT; UTILISATION EAU; UTILISATION ENVIRONNEMENT; UTILISATION RESSOURCE EAU; APPROCHE SYSTEMIQUE; METHODOLOGIE EVALUATION; ANALYSE DE SYSTEME.
SLIVITZKY M : HYDROLOGIE; RESSOURCE-EAU; ENVIRONNEMENT EAU; ENVIRONNEMENT-AQUATIQUE.
VAN COILLIE R : CHEMINEMENT ET TOXICITE SOUS-LETALE DES METAUX-LOURDS ET DES PESTICIDES DANS L' ENVIRONNEMENT-AQUATIQUE ET TERRESTRE REPERCUSSIONS DES PLUIES-ACIDES SUR LA FAUNE AQUATIQUE ECOTOXICOLOGIE DES DEPOTOIRS, BIOTECHNOLOGIES ENVIRONNEMENTALES.

ENZYME

NICHOLLS DM : THE EFFECT OF HEAVY-METALS ON MRNA TRANSLATION AND ON ENZYME ACTIVITY, ESPECIALLY ON KIDNEY, BRAIN, LIVER, AND MUSCLE OF MAMMALS AND FISH.

ENZYMES

KILBURN DG : LARGE SCALE CULTURE OF ANIMAL CELLS. PRODUCTION OF INDUSTRIAL ENZYMES (E.G. CELLULOSE) BY DNA TECHNOLOGY.
MELLORS A : BIOCHEMICAL TOXICOLOGY; PHYSICAL TOXICITY; MOLAR VOLUME CORRELATIONS; HYDROCARBON AND HALOGENATED HYDROCARBON TOXICITY; INHIBITION OF MEMBRANE-BOUND ENZYMES; LYMPHOCYTE TOXICOLOGY; TUMOUR PROMOTION AND CARCINOGENESIS; POLYCHLORINATED-BIPHENYLS; INHIBITION OF CELL ACTIVATION.

ENZYMOLOGY

SHINDLER DB : SCIENTIFIC POLICY ADVICE ON BIOTECHNOLOGY & SAFETY REGULATIONS CONCERNING ENVIRONMENTAL & LARGE-SCALE APPLICATIONS. EXPERTISE IN MICROBIOLOGY, LIMNOLOGY, BIOLOGICAL MONITORING OF TOXIC SUBSTANCES, WATER-QUALITY, LAKE ALGAL-BLOOMS & EUTROPHICATION, AQUATIC ALGAE & MACROPHYTES, BACTERIAL PHYSIOLOGY & BIOCHEMISTRY, ENZYMOLOGY. COORDINATOR OF CANADA'S NATIONAL BIOTECHNOLOGY STRATEGY.

EPIDEMICS

CANTOR ED : NOSOCOMIAL INFECTIONS, INFECTIOUS DISEASE EPIDEMICS, INTOXICATIONS ETC. HEALTH RELATED ENVIRONMENTAL INVOLVEMENT IN EPIDEMIC OUTBREAKS.

EPIDEMIOLOGICAL-STUDIES

NERI LC : ENVIRONMENTAL-POLLUTION, INDOOR-AIR, VDT'S & REPRODUCTIVE EPIDEMIOLOGY, LEAD, MAGNESIUM & HEART-DISEASE. CONDUCT OF EPIDEMIOLOGICAL-STUDIES, CRITICAL REVIEWS OF LITERATURE, DESIGN OF INVESTIGATIONS.
SMITH LF : EPIDEMIOLOGICAL-STUDIES: POPULATION BASED INFORMATION-SYSTEMS FOR ONTARIO INCLUDING CANCER & REPRODUCTIVE OUTCOMES, POPULATION MONITORING FOR LEAD & PCBS. OUTBREAK INVESTIGATIONS.
WATSON AEP : WATER AND ECOSYSTEM QUALITY, DEVELOPMENT OF OBJECTIVES FOR ECOSYSTEM QUALITY FOR IJC GREAT-LAKES SCIENCE ADVISORY BOARD (SAB) HUMAN HEALTH EFFECTS OF GREAT-LAKES WATER-QUALITY EVALUATION OF HEALTH HAZARDS FROM CHEMICAL AND MICROBIOLOGICAL CONTAMINANTS IN THE GREAT-LAKES AND THE DEVELOPMENT OF THE DESIGN OF EPIDEMIOLOGICAL-STUDIES FOR THE (SAB) AND THE GREAT-LAKES WATER QUALITY BOARD. SAB GREAT-LAKES RESEARCH REVIEW PARTICIPATION.

EPIDEMIOLOGIE

HARDY Y : PROTECTION DES FORETS CONTRE LES INSECTES ET LES MALADIES; EPIDEMIOLOGIE ET LES MOUVEMENTS DES POPULATIONS D'INSECTES AINSI QUE L'ETUDE DES CHAMPIGNONS-PATHOGENES. LA CULTURE DE SEMIS EN CONTENEURS, LA SYLVICULTURE DES RESINEUX ET DES FEUILLUES, LA TELEDETECTION, LA GENETIQUE.
JENICEK M : EPIDEMIOLOGIE CLASSIQUE ET CLINIQUE. MALADIES NONINFECTIEUSES ET INFECTIEUSES.

EPIDEMIOLOGY

KHACHATOURIANS GG : ASSESSMENT OF MICROBIAL TOXINS FOUND IN THE ENVIRONMENT. WORK ON MYCOTOXINS T-2, VOMITOXIN, BACILLUS THURINGIENSIS, DELTA TOXIN & ENTEROTOXINS ON INVERTEBRATES IN NATURAL ENVIRONMENTS. ANALYSIS OF POTENTIAL ENVIRONMENTAL TOXICANTS BY MICROBIAL MUTAGENICITY TESTS. EPIDEMIOLOGY OF ENTEROTOXIGENIC E.-COLI IN HUMAN & ANIMAL ENVIRONMENTS. PERSISTANCE OF MICROBIAL INSECTICIDES IN THE AGRICULTURAL ENVIRONMENT.
NERI LC : ENVIRONMENTAL-POLLUTION, INDOOR-AIR, VDT'S & REPRODUCTIVE EPIDEMIOLOGY, LEAD, MAGNESIUM & HEART-DISEASE. CONDUCT OF EPIDEMIOLOGICAL-STUDIES, CRITICAL REVIEWS OF LITERATURE, DESIGN OF INVESTIGATIONS.
ROZEE KR : ENVIRONMENTAL CHEMICAL ENHANCERS OF VIRUS INFECTIONS PUBLIC-HEALTH AND ENVIRONMENTAL CHEMICALS. EPIDEMIOLOGY OF VIRUS INFECTIONS IN NORTHERN CLIMATES.
WARREN HV : TRACE-ELEMENTS IN VEGETATION, SOILS, AND THEIR RELATION TO CONTAMINATION OF THE ENVIRONMENT, EPIDEMIOLOGY, AND MINERAL EXPLORATION.
WIGLE DT : EPIDEMIOLOGY OF CANCER, BIRTH-DEFECTS & OTHER CHRONIC DISEASES.

EPURATION-DES-EAUX-USEES

BRIERE FM : EPURATION-DES-EAUX-USEES ET POTABLES: CHIMIE DE L' EAU, EPURATION-DES-EAUX-USEES EN MILIEU NORDIQUE; GESTION-DES-EAUX.
TRUDEL MJ : LA FACULTE DES SCIENCES DE L' AGRICULTURE ET DE L' ALIMENTATION DE L' UNIVERSITE LAVAL REALISE UNE VINGTAINE DE PROJETS DE RECHERCHE RELIES A L' ENVIRONNEMENT NOTAMMENT SUR LES SUJETS SUIVANTS: TRAITEMENT ET MANUTENTION DES LISIERES ET FUMIERS, EPURATION-DES-EAUX-USEES, CONSERVATION DES SOLS, BILAN HYDRIQUE DES SOLS, PERSISTANCE DES PESTICIDES, ZONAGE BIOCLIMATIQUE.

EPURATION-EAU

COUILLARD D : ASSAINISSEMENT-EAU; EPURATION-EAU; TRAITEMENT-EAUX-USEES; EAUX-USEES; EFFLUENT; RUISSELLEMENT URBAIN; RUISSELLEMENT MUNICIPALITE; BIOINDICATEUR EAU; TOXICITE EAUX-USEES.

EROSION

CHEE SP : HYDRAULICS OF ICE COVERED RIVERS. EROSION OF GRANULAR MATERIAL.
COOTE DR : SOIL-DEGRADATION, DRAINAGE, EROSION, COMPACTION AND THEIR EFFECTS ON THE AGRICULTURAL ENVIRONMENT; EFFECT OF ACID-RAIN ON AGRICULTURAL SOILS AND MANAGEMENT SYSTEMS.
FRENETTE M : EROSION DES SOLS; TRANSPORT SOLIDE; SEDIMENTATION DANS LES LACS, RESERVOIRS & ESTUAIRES; STABILITE & MORPHOLOGIE DES COURS D'EAU. CONTAMINATION DES EAUX-SOUTERRAINES, MIGRATION DES POLLUANTS EN MILIEU PARTIELLEMENT SATURE.
GARDNER JS : SNOW & ICE HYDROLOGY, GLACIOLOGY & EROSION IN HIGH MOUNTAIN AREAS. NATURAL HAZARDS (FLOODS, AVALANCHES, LANDSLIDES IN MOUNTAIN ENVIRONMENTS.
KEFFER JF : RESEARCH IN FLUID MECHANICS, HYDRAULICS & TURBULENCE; NATURAL & INDUSTRIAL SITUATIONS. DISPERSION, DIFFUSION, MIXING, METEOROLOGICAL SITUATIONS WITHIN PLANETARY BOUNDARY LAYER. EXPERIMENTAL (LAB & FIELD STUDIES), NUMERICAL MODELLING, WIND EROSION OF MINE-TAILINGS, COAL PILES ETC.

EROSION

MADRAMOOTOO C : AGRICULTURAL HYDROLOGY, WATERSHED ENGINEERING, ESTIMATION OF PEAK FLOWS, HYDROLOGIC TIME PARAMETERS & HYDROGRAPH ANALYSIS. TRICKLE IRRIGATION SYSTEM DESIGN. SOIL EROSION & SEDIMENTATION, ESTIMATION PESTICIDE & CHEMICAL LOSSES FROM AGRICULTURAL WATERSHEDS.

PLAMONDON AP : EVALUATION-DES-IMPACTS DES OPERATIONS FORESTIERES SUR LE REGIME ET LA QUALITE-DE-L'EAU. RESTAURATION DES BASSINS HYDROGRAPHIQUES DETERIORES PAR L' EROSION EN MILIEUX HUMIDES, SEC OU MONTAGNEUX.

SLY PG : GEOLOGY OF LARGE LAKE SYSTEMS, SEDIMENT WATER INTERACTIONS INCLUDING TOXIC & NUTRIENT CONTAMINANTS, DREDGING & MATERIAL DISPOSAL, SEDIMENT EROSION, DEPOSITION & TRANSPORT. AQUATIC HABITATS & SEDIMENT BIOTA (INVERTEBRATE & FISH) INTERACTIONS.

SPRATT ED : RAINFOREST CLEARING IN INDONESIA USING CHEMICAL POISONING OF ECONOMICAL TREES THEN PLANTING FAST-GROWING CREEPING LEGUME VINES TO OVERTAKE THE UNDERGROWTH. P & K FERTILIZERS ARE NEEDED. GRADUAL TAKEOVER OF LEGUMES BY ECONOMICAL CROPS (IE. OIL PALM) USING TOP KILLERS TO CONTROL LEGUME UNDERGROWTH. STOPS SOIL EROSION IN TRANSITION FROM FOREST TO CROPS.

WELCH W : PLANT ECOLOGY, WETLAND FOREST SUCCESSION, PLANT SUCCESSION FOLLOWING RIGHT OF WAY CONSTRUCTION, VEGETATION MANAGEMENT ON ELECTRICAL TRANSMISSION RIGHTS OF WAY, VEGETATION INVENTORIES, COAL FLY-ASH RECLAMATION AND EROSION CONTROL.

WHEATOON EE : APPLIED CLIMATOLOGY, ESPECIALLY IN AGRICULTURE; DUST STORMS & WIND EROSION. ENVIRONMENTAL-IMPACT-ASSESSMENTS DESCRIPTIVE CLIMATOLOGY, AIR-POLLUTION CLIMATOLOGY, CLIMATIC VARIATION AND CHANGE, ENERGY CLIMATOLOGY.

ERYTHROCYTE

RANDALL DJ : CARBON-DIOXIDE & OXYGEN TRANSFER & ACID-BASE REGULATION IN FISH & AMPHIBIA. INTERACTIONS BETWEEN AMMONIA, CARBON-DIOXIDE & ION MOVEMENT ACROSS FISH GILLS. STUDIES ON FISH & AMPHIBIAN ERYTHROCYTE INTRACELLULAR PH REGULATION.

ESTUAIRES

FRENETTE M : EROSION DES SOLS; TRANSPORT SOLIDE; SEDIMENTATION DANS LES LACS, RESERVOIRS & ESTUAIRES; STABILITE & MORPHOLOGIE DES COURS D'EAU. CONTAMINATION DES EAUX-SOUTERRAINES, MIGRATION DES POLLUANTS EN MILIEU PARTIELLEMENT SATURE.

PELLETIER E : ECOTOXICOLOGIE MARINE; ETUDE DES INTERACTIONS DES POLLUANTS (METAUX, BPC ET HYDROCARBURES) AVEC LES ORGANISMES MARINS DANS L' ECOSYSTEME COTIER ET LES ESTUAIRES.

ESTUARIEN

VIGNEAULT Y : CONSEILLER SCIENTIFIQUE: EVALUATIONS ENVIRONNEMENTALES, POLLUANTS, TOXICOLOGIE. PROGRAMME DE RECHERCHE EN EVALUATION DES MILIEUX BIO-PHYSIQUES AU NIVEAU MARIN, ESTUARIEN, COTIER. ETUDES SYNTHESES SUR LE TRANSPORT-A-LONGUE-DISTANCE DES POLLUANTS ET LEURS EFFETS SUR LE MILIEU AQUATIQUE.

ESTUARIENNES

POULIN M : ETUDE TAXONOMIQUE PORTANT SUR LES DIATOMEES (BACILLARIOPHYCEAE) MARINES ET ESTUARIENNES DE L' EST DU CANADA. REVISION TAXONOMIQUE DES DIATOMEES ASSOCIEES AUX GLACE DE MER DE L' ARCTIQUE CANADIEN. ETUDE DU GENRE NAVICULA ET DE SES REPRESENTANTS EN SECTEUR CANADIEN.

ESTUARIES

GORDON DC : MARINE-ECOLOGY, ECOLOGICAL MODELLING, ORGAN CARBON CYCLING. MARINE POLLUTION, ENVIRONMENTAL-IMPACT-ASSESSMENT. ASSESSMENT WITH FOCUS ON ESTUARIES & CONTINENTAL SHELF ENVIRONMENTS.

LUM KR : BIOGEOCHEMISTRY OF TRACE-METALS AND METALLOIDS IN THE GREAT LAKES AND ESTUARIES. ASSESSMENT OF THE ENVIRONMENTAL-IMPACT OF METALS IN DREDGED MATERIAL, STEEL SLAGS AND OTHER SOLID MATERIALS. SPECIATION AND BIOAVAILABILITY OF TRACE-METALS AND METALLOIDS.

SERODES J : SEDIMENTATION AND DREDGING IN RIVERS AND ESTUARIES. WATER-QUALITY; SEDIMENT-QUALITY; DRINKING-WATER AND WASTEWATER-TREATMENT, IMPACT-ASSESSMENT ON AQUATIC-ECOSYSTEMS.

ESTUARINE

BOURNE N : BIOLOGICAL RESEARCH IN ESTUARINE ECOLOGY WITH EMPHASIS ON BIVALVE-MOLLUSCS. ASSESSMENT OF POPULATION-DYNAMICS OF BIVALVES FOR OPTIMUM MANAGEMENT OF RESOURCE. PRESENT RESEARCH MAINLY IN AQUACULTURE WITH EMPHASIS ON CULTURE OF OYSTERS, CLAMS AND SCALLOPS.

ESTUARINE

CRIPPEN RW : MARINE & ESTUARINE BENTHOS, ESPECIALLY POLYCHAETES, THEIR SYSTEMATICS & TAXONOMY, COMMUNITY STRUCTURE & INTERACTION WITH ENVIRONMENTAL CONDITIONS, BOTH NATURAL & MAN INFLUENCED.
HARRISON PG : ECOLOGY OF ESTUARINE PLANTS (SEAGRASSES & ALGAE), ESPECIALLY POPULATION-DYNAMICS & PLANT & ANIMAL INTERACTIONS. FUNCTIONAL ECOLOGY OF DETRITUS BASED ECOSYSTEMS.
INTL MARINE ENVIRONMENTALISTS INC : MARINE ENVIRONMENTAL CONSULTING FIRM WITH EXPERTISE IN ENVIRONMENTAL-IMPACT-ASSESSMENTS, POLLUTION BY PESTICIDES & POLYAROMATIC-HYDROCARBONS, MARINE ECOTOXICOLOGY, ESTUARINE DREDGING & THEIR ENVIRONMENTAL-IMPACT.
KHALIL M : ORGANIC GEOCHEMISTRY OF SURFACE SEDIMENTS. ESTUARINE POLLUTION STUDIES INCLUDING THE CONTAMINATION OF MARINE ORGANISMS BY ORGANOHALOGENATED-COMPOUNDS AND POLYAROMATIC-HYDROCARBONS. TOXICOLOGICAL STUDIES OF INDUSTRIAL POLLUTANTS AND THEIR INTRODUCTION IN THE MARINE FOOD-CHAIN.
LEVINGS CD : ESTUARINE ECOLOGY OF BENTHOS & FISH. PHYSICAL IMPACTS ON WETLANDS SUPPORTING FISHERIES RESOURCES. RIVER ECOLOGY & EFFECTS OF BANKSIDE & RIPARIAN HABITAT DISRUPTION. BENTHIC ECOLOGY & COMMUNITIES IN FIORDS. ESTUARINE & RIVERINE HABITAT RESTORATION.
MACKNIGHT SD : IMPACTS OF DREDGING AND DREDGED MATERIAL DISPOSAL DISPOSAL OF DRILLING MUDS AND FLUIDS; DISPOSAL IN OCEANS; ESTUARINE CHEMISTRY; CHEMICAL OCEANOGRAPHY; BIOAVAILABILITY OF METALS; SEDIMENT WATER INTERACTIONS.
ROFF JC : BROAD EXPERTISE IN AQUATIC SCIENCES, MARINE, ESTUARINE, FRESHWATER AND STREAMS, ECOSYSTEMS, ARCTIC CHEMICAL AND BIOLOGICAL OCEANOGRAPHY.
WEINBERGER P : ECOPHYSIOLOGY AND TOXICOLOGY WITH SPECIAL REFERENCE TO SOILS, SOIL MICROORGANISMS, WATER (FRESH AND ESTUARINE) AQUATIC MICRO AND MACROPHYTES AND SOME TREES INDIGENOUS TO CANADA. FATE TRANSPORT, UPTAKE, EFFECTS ON PHYSIOLOGY AND DEVELOPMENT OF N2-FIXING CYANOBACTERIA, ALGAE, AQUATIC MACROPHYTES AND SOME GYMNOSPERM AND ANGIOSPERM TREE SEEDS.

ETHANES

OZBURN GW : MULTIPLE ORGANIC TOXICITY, BIOACCUMULATION, BIOCONCENTRATION EFFECT ON GROWTH, ETC. USING FLAGFISH AND BROOK-TROUT. CHLORINATED-BENZENES AND CHLORINATED-PHENOLS, ETHYLENES & ETHANES AS CONTAMINANTS.

ETHYLENE

SPENCER MS : ETHYLENE IN THE ENVIRONMENT; FACTORS CONTROLLING BIOLOGICAL ETHYLENE PRODUCTION; EFFECTS OF ETHYLENE ON LIVING ORGANISMS. ETHYLENE CARBON-DIOXIDE INTERACTIONS INCLUDING EFFECTS OF DIFFERENT CARBON-DIOXIDE LEVELS ON ETHYLENE PRODUCTION & ACTION IN BIOLOGICAL SYSTEMS.

ETHYLENE-OXIDE

YOSHIDA K : HOSPITAL ENVIRONMENTAL HEALTH. APPLICATOR EXPOSURE TO PESTICIDES. HOSPITAL WORKER EXPOSURE TO ANTI NEOPLASTIC DRUGS. HOSPITAL WORKER EXPOSURE TO ETHYLENE-OXIDE, INDOOR AIR-POLLUTION & HEALTH EFFECTS. WORKER EXPOSURE TO DISOLYANATES IN AUTO BODY REPAIR SHOPS.

ETHYLENES

OZBURN GW : MULTIPLE ORGANIC TOXICITY, BIOACCUMULATION, BIOCONCENTRATION EFFECT ON GROWTH, ETC. USING FLAGFISH AND BROOK-TROUT. CHLORINATED-BENZENES AND CHLORINATED-PHENOLS, ETHYLENES & ETHANES AS CONTAMINANTS.

EUPHORBIA-ESULA-L

RAJU MVS : RESEARCH INTERESTS HAVE BEEN THE STUDIES ON VARIOUS ASPECTS OF ANATOMY AND MORPHOLOGY OF VASCULAR PLANTS OF THE PRAIRIES. MORPHOLOGICAL STUDIES INCLUDE LIFE-HISTORIES OF PLANTS, ESPECIALLY OF SOME SELECTED PRAIRIE WEED SPECIES, SUCH AS LEAFY-SPURGE (EUPHORBIA-ESULA-L.). WILD OATS (AVENA-FATUA-L.), ETC.

EUTROPHICATION

KENNEY BC : PHYSICAL LIMNOLOGY OF PRAIRIE LAKES INCLUDING ASPECTS OF AIR & WATER INTERACTION, MIXING AND TURBULENCE, SEDIMENT RESUSPENSION AND LARGE SCALE LAKE CIRCULATION. EUTROPHICATION AND PHOSPHORUS DYNAMICS MODELS. WATER CIRCULATION UNDER WINTER ICE.
MINNS CK : MODELLING & STATISTICAL-ANALYSIS OF FISHERIES & ENVIRONMENTAL PROBLEMS INCLUDING COMMUNITY DYNAMICS, EUTROPHICATION, ACIDIFICATION AND CONTAMINANTS.

EUTROPHICATION

PETERS RH : STUDIES OF GENERAL PATTERNS IN ECOLOGY & LIMNOLOGY; ESPECIALLY ALLOMETRY & EUTROPHICATION RESEARCH. GOAL IS TO PREDICT & DESCRIBE PRODUCTIVITY, ENERGY & MATERIAL FLOW IN AQUATIC & OTHER COMMUNITIES. TREATING FILTER FEEDING BY ZOOPLANKTON & ANALYSIS OF LITERATURE DATA. CRITICAL ANALYSIS OF ECOLOGICAL CONCENTRATION.
SHINDLER DB : SCIENTIFIC POLICY ADVICE ON BIOTECHNOLOGY & SAFETY REGULATIONS CONCERNING ENVIRONMENTAL & LARGE-SCALE APPLICATIONS. EXPERTISE IN MICROBIOLOGY, LIMNOLOGY, BIOLOGICAL MONITORING OF TOXIC SUBSTANCES, WATER-QUALITY, LAKE ALGAL-BLOOMS & EUTROPHICATION, AQUATIC ALGAE & MACROPHYTES, BACTERIAL PHYSIOLOGY & BIOCHEMISTRY, ENZYMOLOGY. COORDINATOR OF CANADA'S NATIONAL BIOTECHNOLOGY STRATEGY.
TREW DO : SURFACE-WATER QUALITY MANAGEMENT IN ALBERTA. LOCALIZED IMPACT-ASSESSMENT, GENERAL SURVEY PROGRAMS. MAINTENANCE OF LONG TERM MONITORING STATIONS. WATER-QUALITY ISSUES INCLUDE: EUTROPHICATION, ACIDIC DEPOSITION, IMPACTS FROM MUNICIPAL EFFLUENTS, INDUSTRIAL-EFFLUENTS & RESOURCE EXTRACTION. RIVER BASIN PLANNING; LAKE MANAGEMENT PLANNING.

EUTROPHISATION

AUCLAIR JC : HYDROBIOLOGIE; ECOLOGIE-AQUATIQUE; ECOSYSTEME AQUATIQUE; EUTROPHISATION; POLLUTION-EAU; LIMNOLOGIE; LAC ACIDIFICATION; PRECIPITATIONS-ACIDES LAC; ALGUE PLANCTON; PHYTOPLANCTON; CHLOROPHYLLE; OXYGENE DISSIUS; MATIERE ORGANIQUE; PHOSPHATE; PHOSPHORE.
COUTURE P : UTILISATION D'INDICATEURS BIOLOGIQUES, EN PARTICULIER LE PHYTOPLANCTON (ALGUES UNICELLULAIRES) POUR DETERMINER LA QUALITE DE L' EAU: ASPECT EUTROPHISATION, ASPECTS ECOLOGIQUE ET TOXICOLOGIQUE, RELATIONS STRUCTURE FONCTION, BIOESSAIS IN VITRO, BIOESSAIS IN SITU, COMMUNAUTE MICROBIENNE, PRODUCTION PRIMAIRE, CHARGE ENERGETIQUE ACCLIMATION.

EVALUATION-DES-IMPACTS

PLAMONDON AP : EVALUATION-DES-IMPACTS DES OPERATIONS FORESTIERES SUR LE REGIME ET LA QUALITE-DE-L'EAU. RESTAURATION DES BASSINS HYDROGRAPHIQUES DETERIORES PAR L' EROSION EN MILIEUX HUMIDES, SEC OU MONTAGNEUX.
SASSEVILLE JL : IMPACT-ENVIRONNEMENTAL; ENVIRONNEMENT-AQUATIQUE; EVALUATION-DES-IMPACTS; ENVIRONNEMENT EAU; ECOSYSTEME AQUATIQUE; RESSOURCE EAU; GESTION-EAU; PLANIFICATION-EAU; ADMINISTRATION EAU; DEVELOPPEMENT EAU; DECISION EAU; PREVISION EAU; CONTROLE-EAU; EVALUATION RISQUE-ENVIRONNEMENT; UTILISATION EAU; UTILISATION ENVIRONNEMENT; UTILISATION RESSOURCE EAU; APPROCHE SYSTEMIQUE; METHODOLOGIE EVALUATION; ANALYSE DE SYSTEME.

EVAPOTRANSPIRATION

ALLEN EAD : PHYSIOLOGY OF AQUATIC PLANTS. USE OF PLANTS FOR DEWATERING INDUSTRIAL TAILINGS THROUGH EVAPOTRANSPIRATION.

EXHAUST

BOSSERT JA : EXPLOSIVE ATMOSPHERES CONSISTING OF GASES, VAPOUR AND DUSTS IN AIR; FIRE RESISTANCE OF MATERIALS USED IN CONFINED LOCATIONS (UNDERGROUND MINES), TOXIC EFFECTS OF DIESEL EXHAUST IN CONFINED LOCATIONS & DIESEL EXHAUST TREATMENT DEVICES.
LINKERT WG : CHEMICAL-ANALYSIS OF SOP AIR FOR FUMES, SOLVENTS, & DUST ETC; TURBINE EXHAUST FOR NOX, WASTEWATER AND OIL FOR PCB.
SAINTSBURY JA : GAS TURBINE COMBUSTION AND EMISSIONS. RESEARCH AND DEVELOPMENT OF SIMPLE AUTOMOBILE GAS TURBINE COMBUSTORS FOR LOW EMISSIONS. DESIGNING SMALL GAS TURBINE ENGINES FOR LOW NOISE AND CLEAN EXHAUST. ATMOSPHERIC TEST OF A VARIABLE GEOMETRY COMBUSTION FOR LOW EMISSIONS. EMISSIONS RESEARCH ON A SIMPLE VARIABLE GEOMETRY GAS TURBINE COMBUSTOR.
WONG JKS : RECIPROCATING ENGINES. ALTERNATE FUELS FOR EXISTING TYPICAL AUTOMOTIVE ENGINES AND EFFECTS OF PHYSICAL-PROPERTIES OF DIESEL FUEL ON DIESEL ENGINES PERFORMANCE; INVESTIGATION OF EXHAUST EMISSIONS USING THE NEW FUELS.
WOTTON DL : LEAD: DEPOSITION & ACCUMULATION IN URBAN SOILS, SMELTER EMISSIONS, EXHAUST, PAINT RESIDUES. FOREST: EFFECTS FROM MINING SMELTERS ON VEGETATION & SOIL, NORTHERN BOREAL-FOREST ECOSYSTEMS, CONIFEROUS REGENERATION IMPACTS FROM HEAVY-METAL CONTAMINATED SOILS. SOIL & GEOLOGY SENSITIVITY MAPPING FOR ACID-RAIN. HERBICIDES.

EXPLORATION

DYCK W : DEVELOPMENT OF HYDROGEOCHEMICAL EXPLORATION TECHNIQUES & INSTRUMENTS. DETECTION & INTERPRETATION OF RADON & HELIUM ANOMALIES IN THE NATURAL ENVIRONMENT.
GALE JE : GROUNDWATER FLOW SYSTEMS IN FRACTURED AND FRACTURED POROUS MEDIA BASED ON FIELD AND NUMERICAL MODELLING STUDIES. PROJECTS INCLUDE (A) DEWATERING IN FRACTURED ROCK MASSES; (B) HYDROGEOLOGY OF FRACTURED ROCKS AS APPLIED TO MINERAL EXPLORATION AND TOXIC-WASTE DISPOSAL; (C) MEASURED VERSUS COMPUTED FRACTURE POROSITY, AND (D) CHARACTERIZING THE GEOMETRY AND MECHANICAL PROPERTIES OF FRACTURE SYSTEMS.

EXPLORATION

HALL HA : RESPONSIBLE FOR MARINE ENVIRONMENTAL-PROTECTION POLICY DEVELOPMENT AND ENFORCEMENT OF REGULATORY INSTRUMENTS FOR POLLUTION-CONTROL AND OCEAN DUMPING. DIRECT THE PROVISION OF ADVICE CONCERNING ENVIRONMENTAL-IMPACT OF OFFSHORE EXPLORATION, AND ENVIRONMENTAL ADVICE AND RESPONSE TO MARINE EMERGENCIES.

LAWRENCE GR : RESOURCE EXPLORATION AND PRODUCTION SUPPORT, GROUNDWATER AND WASTE-SITE EVALUATION, WEATHER MODIFICATION AND METEOROLOGICAL SERVICES, REMOTE-SENSING AND BIOPHYSICAL STUDIES. PETROLEUM ENGINEERING, HYDROGEOLOGICAL, ATMOSPHERIC AND BIOPHYSICAL ASSESSMENTS.

NEILSON JM : MINERAL EXPLORATION. MINE DEVELOPMENT. MINE-TAILINGS DISPOSAL. SOLID & LIQUID-WASTE DISPOSAL. REGENERATION OF MINED AREAS. REVEGETATION: TEMPERATE & TROPICAL. SURFACE & SUBSURFACE POLLUTION. ACID-RAIN RESEARCH (CANADA & NORWAY). WELL DRILLING: SUBSURFACE WATER-SUPPLY.

NEWBURY RW : RIVER AND STREAM BEHAVIOUR AND HABITATS, FIELD EXPLORATION TECHNIQUES FOR CHARACTERIZING UNMAPPED WATERSHEDS AND STREAM CHANNELS, CHANNEL STABILITY, STREAM HYDROLOGY, DRAINAGE BASIN EXPLORATION.

ROBERTSON JA : POLICY ADVISOR TO MINISTRY OF NORTHERN DEVELOPMENT AND MINES ON MATTERS RELATING TO URANIUM. EXPLORATION, MINING RESERVES/RESOURCES, TAILINGS AND WASTE-DISPOSAL. GEOLOGY OF URANIUM DEPOSITS.

RUEL M : DIRECTOR-GENERAL OF ENVIRONMENTAL PROTECTION BRANCH, ARM OF REGULATORY AGENCY, CANADA OIL AND GAS LANDS ADMINISTRATION. ENSURES ADEQUATE ATTENTION IS BEING PAID TO ENVIRONMENTAL FACTORS REGARDING OIL AND GAS EXPLORATION, DEVELOPMENT AND DIRECT STUDIES TO ACHIEVE THIS GOAL.

WARREN HV : TRACE-ELEMENTS IN VEGETATION, SOILS, AND THEIR RELATION TO CONTAMINATION OF THE ENVIRONMENT, EPIDEMIOLOGY, AND MINERAL EXPLORATION.

EXPLOSIVES

ELIAS L : DETECTION OF TRACE-VAPOURS AND GASES IN ATMOSPHERE. MEASUREMENT OF AIRBORNE EXPLOSIVES, NARCOTICS, PESTICIDES AND FLUOROCARBONS BY PRECONCENTRATION GAS-CHROMATOGRAPHY.

EXTINCTION

MERRIAM HG : EFFECTS OF ISOLATION OF FOREST FRAGMENTS BY FARMLAND AND SUBURBAN LAND-USE. EFFECTS OF HETEROGENEITY OF LANDSCAPE MOSAICS ON SPECIES ASSEMBLAGES AND REGIONAL POPULATION-DYNAMICS INCLUDING LOCAL EXTINCTION AND RECOLONIZATION IN PATCHES AND THE EFFECTS OF CONNECTIVITY AMONG HABITAT ISLANDS.

EXTRACTIVES

SWAN EP : RESEARCH IN THE CHEMISTRY OF EXTRACTIVES FROM WOOD, BARK, AND FOLIAGE FROM WESTERN CONIFERS. APPLICATIONS TO COMMERCIAL PROCESSES SUCH AS SPECIES IDENTIFICATION.

FALCONS

BIRD DM : RESEARCH ON THE BIOLOGY OF BIRDS OF PREY (FALCONS, EAGLES, HAWKS, OWLS). RESPONSIBLE FOR MANAGEMENT OF A COLONY OF CAPTIVE FALCONS WITH WHICH RESEARCH ON TOXICOLOGY, AUTRITIEN BEHAVIOUR, ECOLOGY, PHYSIOLOGY ETC. IS CONDUCTED. ALSO FIELD STUDIES.

FALLOUT

PLATFORD RF : LOW LEVEL RADIOACTIVITY MEASUREMENTS OF URANIUM DAUGHTER PRODUCTS & FALLOUT FROM BOMB TESTS.

FARMING

KENG JCW : SOIL-PHYSICS, SOIL & WATER-ENGINEERING, AGRICULTURAL HYDROLOGY; WATERSHED MANAGEMENT; CONSERVATION FARMING.

YONG RN : RESEARCH INVOLVES ENVIRONMENTAL-AUDITING PERTAINING TO HAZARDOUS-WASTE DISPOSAL AND MANAGEMENT. RESEARCH THEMES ADDRESSED INCLUDE CONTAMINANT MIGRATION MODELLING IN SOILS, SOIL DECONTAMINATION, TOXICITY ASSESSMENT, CONTAMINANT BIODEGRADATION, LAND FARMING, REMEDIAL MEASURES, SOIL BIOTECHNOLOGY.

FARMLAND

FARMLAND

MERRIAM HG : EFFECTS OF ISOLATION OF FOREST FRAGMENTS BY FARMLAND AN SUBURBAN LAND-USE. EFFECTS OF HETEROGENEITY OF LANDSCAPE MOSAICS ON SPECIES ASSEMBLAGES AND REGIONAL POPULATION-DYNAMICS INCLUDING LOCAL EXTINCTION AND RECOLONIZATION IN PATCHES AND THE EFFECTS OF CONNECTIVITY AMONG HABITAT ISLANDS.

FATE

BANAS WP : AQUATIC TOXICOLOGY & CHEMICAL FATE INVESTIGATIONS. TOXICITY TESTING OF INDUSTRIAL EFFLUENTS (PULP & PAPER, MINING, STEEL MANUFACTURING). DEVELOPMENT OF A WATER-QUALITY AQUATIC ENVIRONMENT. TOXICITY OBJECTIVE REGARDING ALUMINUM IN THE EVALUATIONS OF PESTICIDES (ORGANOCHLORINE & ORGANOPHOSPHATE) & HEAVY-METALS USING RAINBOW-TROUT IN FLOW THROUGH & STATIC BIOASSAYS.

BESNER DI : STUDIES ON VARIETY OF ENVIRONMENTAL ISSUES: IMPACTS OF ACID-RAIN (WET SULPHATE DEPOSITION), FATE OF PESTICIDES, PH SHOCK FROM SNOWMELT. ORIENTED TO PRACTICAL APPLICATION OF CONTROL PROGRAMS, ENVIRONMENTAL-PLANNING & ENVIRONMENTAL-ASSESSMENT TECHNIQUES.

BIRMINGHAM BC : DEVELOPMENT OF SCIENTIFIC CRITERIA DOCUMENTS FOR ENVIRONMENTAL STANDARDS MULTI-MEDIA APPROACH. TOXICOLOGICAL ASSESSMENT, ENVIRONMENTAL FATE MODELLING, RECEPTOR EXPOSURE MODELLING, RISK-ASSESSMENT. CHLORINATED DIOXINS & DIBENZOFURANS, PCBS, POLYNUCLEAR-AROMATIC-HYDROCARBONS & PESTICIDES.

CHAU YK : STUDIES ON FORMATION, FATE & TOXICITY OF ORGANOMETALS IN THE ENVIRONMENT SUCH AS ALKYLEAD ORGANOTIN COMPOUNDS. DEVELOPMENT OF SENSITIVE & SPECIFIC TECHNIQUES FOR SPECIATION OF ORGANOMETALS. INTEGRATION OF METALS & ORGANICS IN AQUATIC SYSTEMS.

EDGINGTON LV : TRANSLOCATION & FATE OF FUNGICIDES IN PLANTS & DEGRADATION IN SOIL. EFFICACY OF FUNGICIDES FOR CONTROL OF DISEASE. RELATION OF CHEMICAL STRUCTURE TO SELECTIVITY OF FUNGICIDES FOR CERTAIN TAXONOMIC GROUPS OF FUNGI.

HUNSINGER RB : MICRO CONTAMINANTS IN DRINKING-WATER (ASBESTOS, DIOXINS ETC.) INCLUDING SAMPLING METHODS & FATE WITHIN THE TREATMENT TRAIN & REMOVAL METHODS. DRINKING-WATER DATA-BASES (DWSP). DRINKING-WATER TREATMENT.

KHAN SU : FATE OF PESTICIDES IN SOIL, PLANT, WATER & ANIMALS. ENVIRONMENTAL-POLLUTION. CHEMICAL & BIODEGRADATION OF PESTICIDES. BIOAVAILABILITY & TOXICOLOGY OF PESTICIDES IN ANIMALS, PESTICIDE DEGRADING PLASMIDS, BIOTECHNOLOGY OF PESTICIDES.

KROUSE HR : STABLE ISOTOPE ABUNDANCES ARE USED TO IDENTIFY SOURCES OF POLLUTANTS (MAINLY SULPHUR COMPOUNDS) AND TRACE THEIR FATE IN THE ENVIRONMENT.

LEVY EM : RESEARCH INTO THE FATE & EFFECTS OF OIL IN & ON MARINE ENVIRONMENT. GEOCHEMICAL STUDIES OF NATURAL SEEPAGE OF OIL & GAS FROM THE SEA BED. MICROBIOLOGICAL & CHEMICAL STUDIES OF OIL DEGRADATION. BACKGROUND LEVELS OF PETROLEUM IN THE MARINE ENVIRONMENT. PAH IN SEDIMENTS.

PRASAD R : EXPERTISE IN: PESTICIDES FOR PROTECTION AND REGENERATION OF CANADIAN FOREST; HERBICIDES FOR FOREST RENEWAL AND IN STUDYING THE FATE OF HERBICIDES IN FOREST ENVIRONMENT; HERBICIDES FOR CONTROL OF MACROPHYTES.

SCHEIDER WA : EFFECTS OF CONTAMINANTS ON BIOTA OF ONTARIO LAKES. CONTAMINANT FATE, PATHWAYS & EFFECTS ON AQUATIC SYSTEMS.

SCHROEDER WH : ATMOSPHERIC-CHEMISTRY; PHOTOCHEMISTRY; MERCURY & ITS COMPOUNDS IN THE ENVIRONMENT; HEAVY-METALS & AMBIENT AIR; SAMPLING & ANALYSIS OF TRACE-ELEMENTS; TOXIC-CHEMICALS: ATMOSPHERIC SOURCES, TRANSPORT, TRANSFORMATION, REMOVAL & ENVIRONMENTAL FATE.

SHARMA MP : BEHAVIOUR & FATE OF HERBICIDES IN SOIL & PLANTS; CHEMICAL WEED CONTROL IN CEREAL & OILSEED CROPS; EFFECT OF ENVIRONMENTAL FACTORS ON HERBICIDE PERFORMANCE; CHEMICAL DAMAGE DIAGNOSTICS; EXTENSION SERVICE & RESEARCH.

STEPHENSON GR : STUDIES ON THE FATE OF HERBICIDES IN SOIL, WATER, AIR & PLANTS.

SUNDARAM KMS : CHEMODYNAMICS OF POLLUTANTS AND THEIR FATE IN THE ENVIRONMENT INCLUDING THEIR TOXICITY TO VARIOUS ORGANISMS.

VANDERMEULEN JH : RESEARCH: PHYSIOLOGICAL & BIOCHEMICAL, POLLUTION STRESS IN AQUATIC ORGANISMS PRIMARILY FROM PETROLEUM HYDROCARBONS. PHYSICAL & CHEMICAL, FATE & DISPOSITION OF PETROLEUM HYDROCARBONS IN COASTAL SEDIMENTS. COASTAL ZONE POLLUTION & MANAGEMENT.

WEINBERGER P : ECOPHYSIOLOGY AND TOXICOLOGY WITH SPECIAL REFERENCE TO SOILS, SOIL MICROORGANISMS, WATER (FRESH AND ESTUARINE) AQUATIC MICRO AND MACROPHYTES AND SOME TREES INDIGENOUS TO CANADA. FATE TRANSPORT, UPTAKE, EFFECTS ON PHYSIOLOGY AND DEVELOPMENT OF N2-FIXING CYANOBACTERIA, ALGAE, AQUATIC MACROPHYTES AND SOME GYMNOSPERM AND ANGIOSPERM TREE SEEDS.

WHITE AW : MARINE PLANKTON ECOLOGY, PHYSIOLOGY, TOXICOLOGY. TOXIC PLANKTON BLOOMS. PARALYTIC SHELLFISH-POISONING. EFFECTS OF TOXIC RED-TIDES ON SHELLFISH AND FINFISH RESOURCES. FATE AND CONSEQUENCES OF MARINE TOXINS IN FOOD-WEBS.

FAUNA

DUNBAR MJ : ARCTIC & SUBARCTIC MARINE ECOSYSTEMS; CLIMATIC CHANGE & ITS EFFECTS ON MARINE FAUNA & FLORA; BIOLOGICAL & ENVIRONMENTAL CYCLES.

GRAINGER EH : ARCTIC MARINE ZOOPLANKTON DISTRIBUTION AND ECOLOGY. COMPOSITION AND BIOLOGY OF THE ARCTIC SEA ICE FAUNA.

FAUNA

KEVAN DK : BIOSYSTEMATICS AND ECOLOGY OF ORTHOPTEROID INSECTS (LOCUSTS, GRASSHOPPERS, CRICKETS, COCKROACHES, TERMITES AND NEUROPTEROID INSECTS (LACEWING-FLIES) SOIL FAUNA STUDIES (ECOLOGY OF MICROARTHROPODS) AND MYRIAPODS RELEVANCE OF ENTOMOLOGICAL FOLKLORE AND CUSTOMS TO SCIENTIFIC ENTOMOLOGY.

ROWSELL JA : CONSULTANT IN TERRESTRIAL-ECOLOGY: BIOCHEMICAL DYNAMICS; REMOTE-SENSING DATA-ANALYSIS; PHYTOTOXICOLOGY; INDUSTRIAL WASTE-MANAGEMENT; LAND APPLICATION OF WASTES; ENVIRONMENTAL-IMPACT-ASSESSMENT; ECOLOGICAL LAND-CLASSIFICATION; PEATLAND BIOLOGY; FLORA, FAUNA SURVEYS.

SMITH TD : EFFECTS OF INSECTICIDES ON NON-TARGET SOIL FAUNA.

FAUNAL

ATTON FM : LIMNOLOGY: APPLIED ASPECTS AND ENVIRONMENTAL-IMPACT-ASSESSMENT, FISH AND MANAGEMENT OF FISHERIES; IDENTIFICATION OF ARCHAEOLOGICAL FISH FAUNAL MATERIAL. LAKE MANAGEMENT: INFERTILE SUBARCTIC LAKES & EUTROPHIC LAKES. CONSULTANT TO GOVERNMENT, PRIVATE CORPORATIONS.

FAUNE

MINISTERE LOISIR CHASSE ET PECHE : PARCS ET TERRITOIRES FAUNIQUES, FAUNE, FLORE ET HABITATS. PLANIFICATION, GESTION, AMENAGEMENT, INFORMATION, LEGISLATION ENVIRONNEMENTALE, RECHERCHE.

MOREAU G : EFFETS DES PLUIES-ACIDES SUR LA FAUNE BENTHIQUE ET SUR LES POISSONS, EN PARTICULIER L' OMBLE-DE-FONTAINE (SALVELINUS-FONTINALIS). ECOLOGIE DES LACS DE RESERVOIRS.

VAN COILLIE R : CHEMINEMENT ET TOXICITE SOUS-LETALE DES METAUX-LOURDS ET DES PESTICIDES DANS L' ENVIRONNEMENT-AQUATIQUE ET TERRESTRE REPERCUSSIONS DES PLUIES-ACIDES SUR LA FAUNE AQUATIQUE ECOTOXICOLOGIE DES DEPOTOIRS, BIOTECHNOLOGIES ENVIRONNEMENTALES.

FEARO

SADAR MH : SCIENTIFIC ADVISOR TO FEARO AND THE SECRETARIAT OF ENVIRONMENTAL-ASSESSMENT PANELS, MEMBER FEARO RESEARCH MANAGEMENT TEAM, MANAGER OF CANADIAN ENVIRONMENTAL-ASSESSMENT RESEARCH COUNCIL (CEARC) SECRETARIAT, RESEARCH INTERESTS INCLUDE SOCIAL IMPACT, CUMULATIVE IMPACTS, MONITORING, POST-AUDIT AND RISK-ASSESSMENT.

FECAL

YOUNG M : BACTERIAL POLLUTION OF SURFACE-WATERS & SEDIMENTS FROM FECAL (URBAN & RURAL) & INDUSTRIAL SOURCES; ANALYSIS & INTERPRETATION. DISPOSAL OF PATHOLOGICAL WASTE.

FEDERAL

BOND WK : LAND-USE ANALYSIS; STUDY EFFECTS OF FEDERAL GOVERNMENT PROGRAMS ON USE AND MANAGEMENT OF CANADA'S LAND RESOURCE; ANALYSIS OF EXTENT, NATURE, CAUSES AND CONSEQUENCES OF LAND-USE CHANGE ON CANADA'S AGRICULTURAL MARGINS; STUDY OF FRUITLAND CHANGE.

BRYDGES TG : EXPERIENCE IN ANALYSIS, WATER-CHEMISTRY AND BIOLOGICAL STUDIES AND LAKE LIMING. PRESENTLY A SCIENCE ADVISOR IN THE FEDERAL GOVERNMENT'S LONG-RANGE-TRANSPORT-OF-AIR-POLLUTANTS AND THEIR EFFECTS.

DOLENKO AJ : RESPONSIBILITIES RANGE FROM THE DEVELOPMENT OF FEDERAL BIOENERGY POLICY, TO THE CO-ORDINATION OF THE BIOENERGY RESEARCH AND DEVELOPMENT PROGRAM (BIOENERGY DEVELOPMENT PROGRAM), AND BIOENERGY INCENTIVE PROGRAMS FOREST INDUSTRY RENEWABLE-ENERGY PROGRAM) AND ALTERNATE ENERGY DEVELOPMENT PROGRAM (AEDP).

DOUGLAS VM : MANAGEMENT OF NEW CHEMICALS PROGRAM UNDER WHICH INDUSTRY MUST NOTIFY FEDERAL GOVERNMENT OF AN IMPORT OR MANUFACTURE OF A NEW CHEMICAL: HAZARD ASSESSMENT SPECIALIST PROGRAM DEVELOPMENT, TOXIC POLICY REVIEW & DEVELOPMENT, COORDINATION OF CRITERIA DEVELOPMENT, DEVELOPMENT OF REGULATION.

ENVIRONMENTAL PROGRAMS : ENVIRONMENTAL-PROTECTION ENDEAVOURS TO ENSURE THAT THE FEDERAL GOVERNMENT CARRIES OUT ITS RESPONSIBILITIES FOR PROTECTION OF THE ENVIRONMENT IN A MANNER CONSISTENT WITH NATIONAL POLICY: PREVENTION, REDUCTION OR ELIMINATION OF ADVERSE ENVIRONMENTAL EFFECTS FROM NEW DEVELOPMENTS, RELEASES OF POLLUTANTS, OR THE USE OF HAZARDOUS-CHEMICALS & THE CLEANUP OF HARMFUL SUBSTANCES THAT ARE SPILLED.

FARLEY DW : MATHEMATICAL-MODELLING FOR RESOLUTION OF WATER-MANAGEMENT PROBLEMS INCLUDING QUANTITY & QUALITY ASPECTS. PROVISION OF SERVICES IN MODELLING TO ALL FEDERAL & PROVINCIAL WATER BOARDS & COMMITTEES & TO REGIONAL OFFICES. MANAGER ON-LINE BIBLIOGRAPHIC REFERENCE SERVICES TO CANADIAN WATER-RESOURCES COMMUNITY.

MARTIN HC : RESPONSIBLE FOR COORDINATION OF FEDERAL ACID-RAIN RESEARCH PROGRAM AND INTERGOVERNMENTAL AND INTERNATIONAL PROJECTS. DUTIES INCLUDE RESEARCH, MANAGEMENT, ASSESSMENT, POLICY DEVELOPMENT.

FEDERAL

MCCUAIG JD : LAND-USE PLANNING: GEOGRAPHY; LAND-USE POLICIES; RURAL & AGRICULTURAL LAND-USE CHANGE ANALYSIS: LAND VALUE CHANGE; FEDERAL PROGRAM IMPACT ON LAND-USE; PLANNING METHODS AND TOOLS; FEDERAL/ PROVINCIAL LIAISON.
MUNN LC : LAND-USE POLICY DEVELOPMENT & IMPLEMENTATION. FEDERAL LAND MANAGEMENT, FEDERAL PROGRAM IMPACTS ON LAND-USE, LAND-USE ANALYSIS, LAND PLANNING METHODOLOGY & MANAGEMENT.
PEARSE PH : SPECIALIST IN THE ECONOMICS OF NATURAL-RESOURCES. WRITING RELATED TO GOVERNMENT POLICY ON MANAGEMENT OF RENEWABLE-RESOURCES (IN PARTICULAR, FORESTS, FISHERIES, & WATER-RESOURCES). CONSULTANT ON NATURAL-RESOURCES POLICY TO FOREIGN & CANADIAN GOVERNMENT. PROFESSOR OF FORESTRY; PROJECT LEADER: FOREST ECONOMICS & POLICY ANALYSIS PROJECT. FORMERLY: COMMISSIONER OF TWO MAJOR ROYAL COMMISSIONS OF INQUIRY ON RESOURCE POLICY (BRITISH-COLUMBIA FOREST RESOURCES & PACIFIC FISHERIES); CHAIRMAN OF PUBLIC INQUIRY ON FEDERAL WATER POLICY.

FEED

BOLLO-KAMARA A : DEVELOPING ANALYTICAL METHODS FOR DETERMINING NUTRIENT STATUS OF SOILS FOR FERTILITY AND DIAGNOSIS PURPOSES. NEW PROCEDURES FOR DETERMINING PLANT AND FEED QUALITY FOR ESTABLISHING DIAGNOSTIC TESTS FOR FIELD CROP CALIBRATION.
CASORSO DR : PATHOLOGICAL EXAMINATION OF TOXICITY STUDIES IN LABORATORY ANIMALS. R&D IN DRUGS & PESTICIDES (LATIN-AMERICA, OCEANA, AFRICA). SAFETY & EFFICACY EVALUATION OF NEW DRUGS. FEED ADDITIVE DEVELOPMENT, SAFETY, EFFICACY. VETERINARY PARASITOLOGY. AVIAN PATHOLOGY.
KHAN AW : ANAEROBIC CONVERSION OF CELLULOSIC WASTE OBTAINED FROM FORESTRY, AGRICULTURE, FARM, PAPER AND FOOD INDUSTRY AS WELL AS INDUSTRIAL AND MUNICIPAL SOLID-WASTE, TO FUELS AND CHEMICAL FEED STOCK.
WHYTE JNC : BIOCHEMICAL INVESTIGATIONS ON ENVIRONMENTAL STRESS RELATED TO LIVE HOLDING & STORAGE CONDITIONS FOR SHELLFISH. STUDIES ON CHANGES OF METABOLIC & ENERGY RESERVES IN BIVALVES SUBJECTED TO NATURAL OR ARTIFICIAL FEED (FROM BATCH CULTURED MARINE PHYTOPLANKTON).

FEEDING

CONOVER RJ : ZOOPLANKTON: PHYSIOLOGY, DISTRIBUTION LIFE-HISTORY & PRODUCTION ECOLOGY; MOSTLY IN NORTH TEMPERATE & ARCTIC ENVIRONMENTS. EMPHASIS ON IN SITU FEEDING METHODS & PATTERNS OF RESOURCE-UTILIZATION.
DERMOTT RM : ENVIRONMENTAL-ASSESSMENT OF LAKE & STREAM INVERTEBRATE POPULATIONS. TAXONOMY OF LAKE BENTHIC INVERTEBRATES. FEEDING & GROWTH RATES.
FENTON MB : BEHAVIOUR OF BATS (CHIROPTERA); ECHOLOCATION, SOCIAL INTERACTIONS; FEEDING, CONTROL; COMMUNICATION; ULTRASONICS.
PETERS RH : STUDIES OF GENERAL PATTERNS IN ECOLOGY & LIMNOLOGY; ESPECIALLY ALLOMETRY & EUTROPHICATION RESEARCH. GOAL IS TO PREDICT & DESCRIBE PRODUCTIVITY, ENERGY & MATERIAL FLOW IN AQUATIC & OTHER COMMUNITIES. TREATING FILTER FEEDING BY ZOOPLANKTON & ANALYSIS OF LITERATURE DATA. CRITICAL ANALYSIS OF ECOLOGICAL CONCENTRATION.

FEEDS

ROBERTSON W : DETECTION AND IDENTIFICATION OF INDICATOR AND PATHOGENIC MICROORGANISMS IN FRESH AND MARINE WATERS. FERMENTATION OF CROP AND WOOD WASTES TO PRODUCE RUMINANT FEEDS. UTILIZATION OF MYCORRHIZAL FUNGI TO INCREASE CROP PRODUCTIVITIES.
TRENHOLM HL : TOXICOLOGY OF MYCOTOXINS IN ANIMAL FEEDS FOR LIVESTOCK AND POULTRY. METABOLISM OF MYCOTOXINS. DETOXIFICATION OF NATURAL CONTAMINANTS & TOXIC RESIDUES IN ANIMAL PRODUCTS.

FERMENTATION

ARCHIBALD FS : MICROBIAL ACQUISITION AND METABOLISM OF METALS. FERMENTATION, GROWTH, AND OXYGEN SENSITIVITY OF MICROORGANISMS.
HOSTETTER G : MICROBIOLOGICAL RESEARCH ON WINE PRODUCTION PROCESSES. RESEARCH ON COMPUTERIZATION OF FERMENTATION CONTROL. WINE GRAPE VARIETY TRIALS. RESEARCH ON USE OF VARIOUS YEASTS FOR SPECIAL FLAVOUR DEVELOPMENT IN WINE.
LEE EGH : MUTAGENICITY OF ENVIRONMENTAL-CONTAMINANTS INVESTIGATED USING THE AMES-SALMONELLA-ASSAYS. FISH DISEASE DIAGNOSTIC SERVICES FOR BACTERIAL KIDNEY DISEASE & INFECTIOUS HEMATOPOIETIC-NECROSIS TEST. BIOPOLYMER PRODUCTION FROM METHANOL FERMENTATION.
PINDER KL : ANAEROBIC FERMENTATION OF HIGH BOD FOOD-WASTES. RECOVERY OF CHEMICALS FROM CHLORINE-DIOXIDE BLEACH EFFLUENTS. AUTOCAUSTICIZING OF KRAFT LIQUORS TO ELIMINATE RECAUSTICIZING EFFLUENT.
ROBERTSON W : DETECTION AND IDENTIFICATION OF INDICATOR AND PATHOGENIC MICROORGANISMS IN FRESH AND MARINE WATERS. FERMENTATION OF CROP AND WOOD WASTES TO PRODUCE RUMINANT FEEDS. UTILIZATION OF MYCORRHIZAL FUNGI TO INCREASE CROP PRODUCTIVITIES.

FERTILIZATION

BARKLEY BA : DEVELOPMENT & TRANSFER OF TECHNIQUES TO SUCCESSFULLY ESTABLISH & MANAGE FAST-GROWING HARDWOODS: CLONE & SITE (SOIL TYPE) INTERACTION; SPACING EFFECTS; TECHNIQUES FOR SITE PREPARATION & FENDING; TREE IMPROVEMENT (DEVELOPMENT OF NEW CLONES); PROGENY & PROVENANCE TESTING & FERTILIZATION.

BRIX H : PHYSIOLOGY AND GROWTH OF TREES AND FOREST STANDS IN RELATION TO ENVIRONMENTAL CONDITIONS AND TREATMENT SUCH AS FERTILIZATION AND THINNING.

RENNIE PJ : PRODUCTIVITY OF TERRESTRIAL-ECOSYSTEMS, ESPECIALLY NORTHERN BOREAL-FOREST ENVIRONMENTS IN RELATION TO SOIL NUTRITIONAL-STATUS, CLIMATIC CHARACTERISTICS AND PERTURBATION-EFFECTS. PARTICULAR INTERESTS INCLUDE MINERAL CYCLING, FOREST FERTILIZATION AND AIRBORNE POLLUTANT EFFECTS ON SOILS AND VEGETATION.

RICHARDSON J : SCIENTIFIC ADVICE IN CANADIAN FORESTRY SERVICE RESEARCH IN THE FIELD OF FOREST PRODUCTIVITY, INCLUDING FOREST INVENTORY, GROWTH & YIELD, REMOTE-SENSING, THINNING, FERTILIZATION, MODELLING & IN FOREST BIOMASS PRODUCTION.

WEETMAN GF : STUDY OF STATE OF CANADIAN FOREST-MANAGEMENT. NUTRIENT-CYCLING AND FERTILIZATION RESEARCH. SILVICULTURE OF CANADIAN FOREST TYPES.

FERTILIZERS

BAILEY LD : RESEARCH IN AREAS RELATING TO SOIL QUALITY AND FACTORS THAT AFFECT SOIL DEGRADATION AND LOSS OF PRODUCTIVITY; TECHNIQUES THAT WOULD INCREASE THE EFFICIENCY OF USE OF FERTILIZERS THUS REDUCING THE ABSOLUTE QUANTITIES REQUIRED.

CHO CM : ENVIRONMENTAL-POLLUTION PROBLEMS RELATED TO THE USE OF AGRICULTURAL PRODUCTS SUCH AS FERTILIZERS PESTICIDES. STUDY ON THE DENITRIFICATION & TRANSPORT PROCESSES IN SOIL.

MAHENDRAPPA MK : SOIL-CHEMISTRY AND MICROBIOLOGY AS RELATED TO ACID-RAIN AND NUTRIENT-CYCLING IN FOREST-ECOSYSTEMS. CHEMISTRY OF PRECIPITATION AND ITS INFLUENCE ON THE CHEMICAL AND BIOCHEMICAL PROCESSES ON TREES AND SOIL. IMPROVEMENT OF THE USE OF WATER AND FERTILIZERS IN TREE NURSERIES.

NYBORG M : RESEARCH ON SULPHUR-DEPOSITION BY WET & DRY DEPOSITION; FALL OUT OF ACIDIFICATION OF SOIL BY NITROGEN FERTILIZERS & LIMING OF SOILS.

SPRATT ED : RAINFOREST CLEARING IN INDONESIA USING CHEMICAL POISONING OF ECONOMICAL TREES THEN PLANTING FAST-GROWING CREEPING LEGUME VINES TO OVERTAKE THE UNDERGROWTH. P & K FERTILIZERS ARE NEEDED. GRADUAL TAKEOVER OF LEGUMES BY ECONOMICAL CROPS (IE. OIL PALM) USING TOP KILLERS TO CONTROL LEGUME UNDERGROWTH. STOPS SOIL EROSION IN TRANSITION FROM FOREST TO CROPS.

FESTUCA

AIKEN SG : AQUATIC PLANTS IN CANADA (WILD-RICE, ZIZANIA & WATER MILFOIL, MYRIOPHYLLUM) GRASSES, ESPECIALLY FESTUCA, IN NORTH AMERICA. COMPUTER GENERATION OF TAXONOMIC KEYS & DESCRIPTIONS IN FRENCH & ENGLISH. BEGINNING WORK ON THE FLORA OF THE CANADIAN HIGH ARCTIC ISLANDS.

FILTRATION

ANDERSUN JC : COLOUR REMOVAL MECHANISMS INCLUDING ALUM WITH OTHER WATER-TREATMENT CHEMICALS, OZONE AND SLOW SAND FILTRATION. EFFICIENCY AND ENERGY CONVERSION CAPABILITIES.

MOON KS : SURFACE CHEMISTRY IN WASTEWATER CLEANING, DESULPHURIZATION OF COAL, MINERAL PROCESSING, FLOCCULATION, FILTRATION, DEWATERING, SETTLING AND DRYING; CRYSTAL CHEMISTRY IN SURFACTANT ADSORPTION AND DESORPTION; AND VARIOUS SOLUTION CHEMISTRY OF ORGANICS AND INORGANIC MATERIALS.

PANT BC : PARTICULATE AND GAS FILTRATION SYSTEMS TO ELIMINATE POLLUTANTS SUCH AS CORROSIVE, ODOUROUS AND TOXIC GASES FROM WORK PLACE ENVIRONMENT.

WEBER ME : RESEARCH IN REMOVAL OF POLLUTANTS FROM WATER BY FILTRATION ULTRAFILTRATION AND ELECTRICALLY AIDED FILTRATION.

FINFISH

WHITE AW : MARINE PLANKTON ECOLOGY, PHYSIOLOGY, TOXICOLOGY. TOXIC PLANKTON BLOOMS. PARALYTIC SHELLFISH-POISONING. EFFECTS OF TOXIC RED-TIDES ON SHELLFISH AND FINFISH RESOURCES. FATE AND CONSEQUENCES OF MARINE TOXINS IN FOOD-WEBS.

FINGERLINGS

LIAW WK : LIMNOLOGICAL AND FISHERIES INVESTIGATIONS; ASSESSMENT OF FISH-STOCKS; AQUATIC ENVIRONMENTAL-IMPACT-ASSESSMENT; LAKE WATER-QUALITY AND TROPHIC STATUS ASSESSMENT; CULTURE OF FISH FINGERLINGS (WALLEYE AND WHITEFISH).

FIORDS

AKSU A E : PALEOCLIMATIC AND OCEANOGRAPHIC EVOLUTION OF THE LABRADOR-SEA AND BAFFIN-BAY DURING THE LAST 25 MA ODP (LEG 105) ARCTIC OCEAN CHRONOSTRATIGRAPHY. SEISMIC STRATIGRAPHY OF SMALL DELTAS IN MICROTIDAL SETTING (AEGEAN-SEA). SEDIMENTOLOGY AND GEOCHEMISTRY OF SALINE AND BITTER LAKES IN ANATOLIA. AMINO-ACID EPIMERIZATION IN FORAMINIFERA. SEDIMENTOLOGY AND SEISMIC STRATIGRAPHY OF FIORDS AND BAYS AROUND NEWFOUNDLAND. SEDIMENTOLOGY OF SHELF BASINS, SLOPE AND RISE TRANSITION.

LEVINGS CD : ESTUARINE ECOLOGY OF BENTHOS & FISH. PHYSICAL IMPACTS ON WETLANDS SUPPORTING FISHERIES RESOURCES. RIVER ECOLOGY & EFFECTS OF BANKSIDE & RIPARIAN HABITAT DISRUPTION. BENTHIC ECOLOGY & COMMUNITIES IN FIORDS. ESTUARINE & RIVERINE HABITAT RESTORATION.

FIRE

BOSSERT JA : EXPLOSIVE ATMOSPHERES CONSISTING OF GASES, VAPOUR AND DUSTS IN AIR; FIRE RESISTANCE OF MATERIALS USED IN CONFINED LOCATIONS (UNDERGROUND MINES), TOXIC EFFECTS OF DIESEL EXHAUST IN CONFINED LOCATIONS & DIESEL EXHAUST TREATMENT DEVICES.

HANSEN KJ : WASTE-MANAGEMENT RELATED TO FLUE-GAS DESULPHURIZATION AND AIR-POLLUTION FROM COAL FIRE THERMAL ELECTRICAL POWER STATIONS.

MELOCHE PH : FORINTEK CANADA CORP. IS A PRIVATE, NON-PROFIT RESEARCH AND DEVELOPMENT CORPORATION ACTIVELY ENGAGED IN ALL MAJOR SCIENTIFIC AND TECHNICAL DISCIPLINE RELATED TO WOOD PRODUCTS: SAWMILLING; SEASONING; MACHINING; COMPOSITE PRODUCTS; ADHESIVES; WOOD BASED ENERGY AND CHEMICALS; HOUSING MATERIALS SCIENCE; TIMBER ENGINEERING; WOOD PRESERVATION; FIRE RETARDANTS AND THE WOOD SCIENCES. ASSISTANCE AND EXPERT ADVICE ARE AVAILABLE TO FOREST PRODUCTS INDUSTRIES, GOVERNMENT AGENCIES, TRADE ASSOCIATIONS, CONSULTANTS, EQUIPMENT MANUFACTURERS, EDUCATIONAL INSTITUTIONS AND THE GENERAL PUBLIC.

POLLETT FC : EXECUTIVE DIRECTOR OF INSTITUTE WHICH UNDERTAKES RESEARCH IN FOREST FIRE AND REMOTE-SENSING, FOREST STATISTICS AND SYSTEMS ANALYSIS, INTENSIVE FOREST-MANAGEMENT AND PUBLIC-AWARENESS PROGRAMS.

STECHISHEN E : USE AND EFFECTIVENESS OF FOREST FIRE RETARDANTS; USE OF AIR TANKERS AND THEIR EFFECTIVENESS IN FOREST FIRE SUPPRESSION.

STRANG RM : RESEARCH MANAGEMENT AND DIRECTION; FIRE AS AN ECOLOGICAL FACTOR AND TOOL FOR FOREST AND WILDLAND MANAGERS; ECOLOGICAL CONSIDERATIONS IN LAND-USE PLANNING AND MANAGEMENT.

SUFFLING RC : BOREAL-FOREST ECOLOGY, QUANTITATIVE ANALYSIS OF LANDSCAPES, FIRE HISTORY; ENVIRONMENTAL-IMPACT-ASSESSMENT OF RESOURCE DEVELOPMENTS; UTILITY CORRIDOR VEGETATION MANAGEMENT.

WEIN RW : RESEARCH INTERESTS INCLUDE USE OF FIRE IN NATIONAL PARKS & WILDERNESS AREAS. BASIC STUDIES INTERESTS INCLUDE POST FIRE NUTRIENT-CYCLING AND PRIMARY PRODUCTION.

FIRES

CHUNG YS : LONG-RANGE-TRANSPORT-OF-AIR-POLLUTION (LRTAP), SATELLITE DETECTION OF AIR-POLLUTION, EMISSION OF FOREST FIRES, OZONE, SULPHATE, TSP & CARBON-DIOXIDE.

EBERHARD JJ : CANOEIST'S MANUAL FOR PROMOTION OF ENVIRONMENTAL & ETHICAL CONCERNS IS GEARED TOWARDS DEVELOPING GUIDELINES FOR: MINIMAL IMPACT CAMPING, CONTACT WITH ANIMALS AND OTHER USER GROUPS; TEACHING MINIMAL IMPACT CAMPING STOVES VS FIRES & SUGGESTIONS FOR POLITICAL ADVOCACY WHILE CANOEING.

FISH

ATTON FM : LIMNOLOGY: APPLIED ASPECTS AND ENVIRONMENTAL-IMPACT-ASSESSMENT. FISH AND MANAGEMENT OF FISHERIES; IDENTIFICATION OF ARCHAEOLOGICAL FISH FAUNAL MATERIAL. LAKE MANAGEMENT: INFERTILE SUBARCTIC LAKES & EUTROPHIC LAKES. CONSULTANT TO GOVERNMENT, PRIVATE CORPORATIONS.

AYLES GB : RESEARCH ON GENETICS OF FISH, FISH CULTURE AND AQUACULTURE. EXPERIENCE IN NORTH TEMPERATE CLIMATES AND SOME TROPICAL CLIMATES. MANAGEMENT OF FRESHWATER AND MARINE FISHERIES AND AQUATIC RESEARCH.

BARICA J : LIMNOLOGY OF EUTROPHIC LAKES: NUTRIENT AND OXYGEN REGIMES, FORMATION OF ALGAL BLOOMS: CYANOPHYTA ECOLOGY, ALGAL CONTROL, PREDICTIONS OF LAKE PRODUCTIVITY; CAUSES AND REMEDIES OF MASSIVE FISH MORTALITIES (SUMMER AND WINTER FISH KILLS); NUTRIENT CONTAMINANTS INTERACTIONS; LAKE RESTORATION.

BIRKBECK AE : CHARACTERISATION & TREATMENT OF LANDFILL LEACHATE, ODOUR CONTROL AT LANDFILLS. INDUSTRIAL & MUNICIPAL WASTEWATER-TREATMENT, RECLAMATION & RECIRCULATION FOR FISH HATCHERIES. DESIGN & EVALUATION OF SMALL DISINFECTION UNITS, CHLORINE, OZONE & ULTRAVIOLET.

BROUGHTON ER : ENVIRONMENTAL-ASSESSMENT AND DESIGN ASSOCIATED WITH NATURAL RESOURCES AND INDUSTRY SPECIFICALLY FISH CULTURE, AND INDUSTRIAL-WASTES CONDITIONING AND RECOVERY.

BROWN DJ : AQUATIC MONITORING TO ASSESS EFFLUENT IMPACT ON PROVINCIAL WATER-QUALITY OBJECTIVES, TO ASSESS IMPACT OF METALS & PESTICIDES IN FISH, TO ASSESS IMPACT OF PESTICIDE & HERBICIDE USE ON AQUATIC-ECOSYSTEMS.

FISH

CHRISTIE WJ : FISH POPULATION-DYNAMICS. EFFECTS OF WEATHER, SEA LAMPREY, OVER-FISHING ON YIELDS FROM ECONOMICALLY IMPORTANT LAKE ONTARIO FISH-STOCKS. FISH COMMUNITY DYNAMICS: ANALYSIS OF HISTORICAL TRENDS IN LAKE ONTARIO; IDENTIFICATION OF STRESS EFFECTS. ECOSYSTEM STUDIES. STRATEGIC FISHING MANAGEMENT PLANNING.

COOK RH : AQUACULTURE DEVELOPMENT (ATLANTIC SALMON, AMERICAN LOBSTER, SEA SCALLOPS) GROWTH & REPRODUCTIVE PHYSIOLOGY, DISEASE & NUTRITION, DIET FORMULATIONS, METHODS OF DISEASE-PREVENTION, GENETICS. POLLUTION EFFECTS ON FISH: ECOLOGICAL STUDIES, SUBLETHAL BIOLOGICAL EFFECTS, METHODS, DETECTION & ANALYSIS OF TRACE ORGANIC & INORGANIC TOXIC-CHEMICALS.

DOUBLEDAY WG : POPULATION-DYNAMICS & MANAGEMENT OF MARINE & ANADROMOUS FISH & MARINE MAMMALS.

FLETCHER GL : ZINC REGULATION IN MARINE FISH. DETOXIFICATION OF METALS SUCH AS CADMIUM IN FISH.

FREEMAN HC : QUANTIFICATION OF POLLUTANTS AND CONTAMINANTS IN FISH AND SUBLETHAL EFFECTS (BIOCHEMICAL TESTS).

HARA TJ : PHYSIOLOGICAL, BIOCHEMICAL, MORPHOLOGICAL & BEHAVIORAL STUDIES ON CHEMORECEPTION IN FISH; ITS ROLE IN MIGRATION & REPRODUCTION; ITS APPLICATION TO FISHING & AQUACULTURE; & ITS INTERACTIONS WITH TOXIC CHEMICALS & ACID-PRECIPITATION.

HODSON PV : FISH TOXICOLOGY: QUANTITATIVE STRUCTURE ACTIVITY, RELATIONSHIPS FOR ORGANIC-CHEMICALS. DEVELOPMENT OF DIAGNOSTIC TOOLS FOR FISH MONITORING BASED ON BIOCHEMICAL RESPONSES. DEVELOPMENT OF WATER-QUALITY OBJECTIVES.

HURLEY DA : ECOLOGICAL STUDIES IN EUTROPHIC WATERS; ROLE OF PREDATOR PREY INTERACTIONS IN SHAPING ECOSYSTEMS; BIOENERGETICS OF WALLEYE, YELLOW-PERCH; TRENDS IN FISH SPECIES ASSOCIATIONS OVER TIME.

IREDALE DG : FRESHWATER FISH PRODUCT & PROCESS DEVELOPMENT INCLUDING CURED, CANNED, FORMULATED & WASTE BY-PRODUCTS. RESOURCE DEVELOPMENT INITIATIVES UNDER FISHERIES DEVELOPMENT PROGRAM TO ENHANCE VALUE & MORE EFFICIENT UTILIZATION OF FRESHWATER FISH; TECHNOLOGICAL & ECONOMIC DEVELOPMENT OF INLAND & ARCTIC FISHING INDUSTRY.

KALFF J : AQUATIC ECOLOGY, LIMNOLOGY, MACROPHYTES AND PHYTOPLANKTON, NUTRIENTS, PRODUCTION AND BIOMASS, WATERSHEDS, NUTRIENT AND TOXINS RELATIONSHIPS OF PRIMARY PRODUCTION TO SECONDARY AND FISH PRODUCTION. TROPICAL, TEMPERATE AND ARCTIC LAKES.

KELSO JRM : EFFECTS OF ATMOSPHERIC-DEPOSITION ON FISHERIES-RESOURCES EFFECTS OF CONTAMINANTS ON FISH POPULATIONS (BODY BURDENS, BEHAVIOUR).

KINGSBURY PD : ENVIRONMENTAL-IMPACT OF FORESTRY PESTICIDES IN TERMS OF EFFECTS ON FISH, AQUATIC INVERTEBRATE, SONGBIRD AND TERRESTRIAL INVERTEBRATE POPULATIONS AND THEIR ECOLOGICAL RELATIONSHIPS.

LEDUC G : AQUATIC TOXICOLOGY. ACUTE AND LONG-TERM TOXICITY OF CYANIDE TO FISH. GROWTH, SWIMMING, OSMOREGULATION, ETC. EFFECTS OF MODIFYING FACTORS OF TOXICITY: TEMPERATURE, SIZE OF FISH, CURRENT OF WATER, ETC. MODE OF ACTION AND DETOXIFICATION OF CYANIDE. BIOACCUMULATION OF THIOCYANIDE. EFFECTS ON THYROID-GLAND AND RELATED FUNCTIONS.

LEE EGH : MUTAGENICITY OF ENVIRONMENTAL-CONTAMINANTS INVESTIGATED USING THE AMES-SALMONELLA-ASSAYS. FISH DISEASE DIAGNOSTIC SERVICES FOR BACTERIAL KIDNEY DISEASE & INFECTIOUS HEMATOPOIETIC-NECROSIS TEST. BIOPOLYMER PRODUCTION FROM METHANOL FERMENTATION.

LEVINGS CD : ESTUARINE ECOLOGY OF BENTHOS & FISH. PHYSICAL IMPACTS ON WETLANDS SUPPORTING FISHERIES RESOURCES. RIVER ECOLOGY & EFFECTS OF BANKSIDE & RIPARIAN HABITAT DISRUPTION. BENTHIC ECOLOGY & COMMUNITIES IN FIORDS. ESTUARINE & RIVERINE HABITAT RESTORATION.

LIAW WK : LIMNOLOGICAL AND FISHERIES INVESTIGATIONS; ASSESSMENT OF FISH-STOCKS; AQUATIC ENVIRONMENTAL-IMPACT-ASSESSMENT; LAKE WATER-QUALITY AND TROPHIC STATUS ASSESSMENT; CULTURE OF FISH FINGERLINGS (WALLEYE AND WHITEFISH).

LOUIE RH : BIOPHYSICAL SURVEYS (SOILS, SURFICIAL GEOLOGY, VEGETATION, WILDLIFE HABITAT, CLIMATE), LAND USE IN BRITISH-COLUMBIA & APPLICATIONS FOR AGRICULTURE, FORESTRY, WILDLIFE, WATER, FISH & OTHER LAND USE PLANNING, ASSESSMENT AND MONITORING. BASE MAP PRODUCTION (TOPOGRAPHIC, PLANIMETRIC AND CADASTRAL). REMOTE-SENSING.

MACCRIMMON HR : RESEARCH LIES WITHIN AREA OF FISHERIES SCIENCE & MANAGEMENT; LIMNOLOGY & ENVIRONMENTAL-QUALITY, ESPECIALLY WARMWATER & COLDWATER AQUACULTURE & FISH BIOLOGY, ECOLOGY, & ZOOGEOGRAPHY.

MACKAY WC : ENVIRONMENTAL PHYSIOLOGY OF FISH PARTICULARLY ENERGETICS (SWIMMING, GROWTH, REPRODUCTION) OF TEMPERATE FRESHWATER FISH. FACTORS WHICH AFFECT GROWTH RATE INCLUDING LATITUDE, TEMPERATURE, COMPETITION. REPRODUCTIVE STRATEGIES.

MACLEOD JC : FISH HABITAT MANAGEMENT. DEVELOPMENT OF POLICIES & PROGRAMS IN DFO & PROVISION OF ADVICE TO SENIOR MANAGEMENT ON CONSERVATION, RESTORATION & DEVELOPMENT OF FISH-HABITAT SUSTAINING CANADA'S IMPORTANT FISHERIES RESOURCES.

MARGOLIS L : DISEASES AND PARASITES OF FISHES. PARASITES OF MARINE MAMMALS AND INVERTEBRATES. EFFECTS OF ENVIRONMENTAL ALTERATION ON PARASITES AND DISEASES OF AQUATIC ANIMALS. PARASITES AS BIOLOGICAL TAGS FOR FISH POPULATIONS.

MCKEOWN BA : ENVIRONMENTAL TOXICANTS OF FISH. HEAVY-METALS (ZINC, MERCURY, ALUMINUM), OIL, OIL DISPERSANTS, PESTICIDES, ACID-PRECIPITATION.

MORIN JR : RESEARCH RELATES TO RESOURCE DEVELOPMENT, RESOURCE CONSERVATION & THE PROTECTION OF PUBLIC SAFETY & RESOURCES FROM NATURAL HAZARDS PLANS ARE PREPARED FOR CROWN LANDS, WATERS, FORESTS, PARKS, FISH & WILDLIFE RESOURCES TO PROMOTE THEIR WISE MANAGEMENT FOR ECONOMIC & SOCIAL BENEFIT.

NASSICHUK MD : IMPACT-ASSESSMENT OF PROPOSED INDUSTRIAL DEVELOPMENTS THAT COULD AFFECT WATER-QUALITY. INVESTIGATIVE PROGRAMS ON IMPACT OF SPECIFIC POLLUTANTS & CONTAMINANTS ON FISH (PACIFIC SALMON) & FISH-HABITAT. POLICY & LEGISLATIVE ADVISOR ON WATER-QUALITY ISSUES.

FISH

NICHOLLS DM : THE EFFECT OF HEAVY-METALS ON MRNA TRANSLATION AND ON ENZYME ACTIVITY, ESPECIALLY ON KIDNEY, BRAIN, LIVER, AND MUSCLE OF MAMMALS AND FISH.
OLIVER BG : PATHWAYS OF ORGANIC CONTAMINANTS IN AQUATIC ENVIRONMENT, BIOCONCENTRATION & BIOACCUMULATION OF ORGANICS BY FISH, BY-PRODUCTS OF DRINKING-WATER CHLORINATION.
PETERSON RH : PHYSIOLOGICAL RESPONSES OF EARLY LIFE STAGES OF FISH TO LOW PH & ASSOCIATED TOXIC METALS; STRESSING INTERFERENCE WITH HATCHING, ION ACCUMULATION & AVOIDANCE. MONITORING OF LATE RESPONSES TO PH CHANGE.
RANDALL DJ : CARBON-DIOXIDE & OXYGEN TRANSFER & ACID-BASE REGULATION IN FISH & AMPHIBIA. INTERACTIONS BETWEEN AMMONIA, CARBON-DIOXIDE & ION MOVEMENT ACROSS FISH GILLS. STUDIES ON FISH & AMPHIBIAN ERYTHROCYTE INTRACELLULAR PH REGULATION.
RUGGLES CP : FRESHWATER FISHERIES - MANAGEMENT AND DEVELOPMENT; ENVIRONMENTAL-IMPACT-ASSESSMENT. FISH PASSAGE AT DAMS. ATLANTIC SALMON ECOLOGY.
SANDEMAN EJ : STOCK-ASSESSMENTS AND RELATED RESEARCH ON FISH OF GENUS SEBASTES, SHRIMP (PANDALUS SP.) AND CRABS (CHIONOCETES OPILIO). EXPERTISE IN MANAGEMENT OF RESEARCH AND DEVELOPMENT PROJECTS AND FISHERIES MANAGEMENT POLICY DEVELOPMENT. INTEREST IN COMPUTER BASED DATA-ACQUISITION METHODOLOGY.
SLY PG : GEOLOGY OF LARGE LAKE SYSTEMS, SEDIMENT WATER INTERACTIONS INCLUDING TOXIC & NUTRIENT CONTAMINANTS, DREDGING & MATERIAL DISPOSAL, SEDIMENT EROSION, DEPOSITION & TRANSPORT. AQUATIC HABITATS & SEDIMENT BIOTA (INVERTEBRATE & FISH) INTERACTIONS.
SUTTERLIN AM : AQUACULTURE; FISHERIES; FISH REPRODUCTION, BEHAVIOUR AND PHYSIOLOGY.
SWANSON SM : RADIONUCLIDE ACCUMULATION IN THE AQUATIC AND TERRESTRIAL FOOD-CHAIN; EFFECTS OF LOW LEVEL RADIATION ON FISH POPULATIONS; SECONDARY PRODUCTIVITY IN AQUATIC-ECOSYSTEMS; AQUATIC BIOLOGY.
UTHE JF : STUDY OF METHODS OF MEASUREMENT OF CHEMICAL CONTAMINANTS IN FISH POPULATIONS AND DETECTION OF TREND IN CONTAMINANT LEVELS OVER TIME. INVESTIGATION OF SITUATIONS WHERE CONTAMINANTS IN FISH PRODUCTS MAY POSE A CONSUMER CONCERN.
WHITNEY NJ : MARINE FUNGI: TAXONOMY; METABOLIC PRODUCTS FROM INTERFERENCE COMPETITION; FUNGAL ECOLOGY IN THE MARINE-ENVIRONMENT; ANTIBIOTIC-COMPOUNDS FROM MARINE FUNGI; FUNGAL DISEASES OF FISH. FOREST FUNGI: EPIPHYTIC & ENDOPHYTIC FUNGAL METABOLITES TOXIC TO SPRUCE-BUDWORM. PLANT PATHOLOGY: NEEDLE-CASTS OF CONIFERS.
WONG PTS : ALGAL PHYSIOLOGY & TOXICOLOGY; TRANSFORMATION OF HEAVY METALS IN AQUATIC ENVIRONMENT; EFFECTS OF CHEMICALS IN AQUATIC BIOTA (FISH & PHYTOPLANKTON).

FISH-HABITAT

BOYD FC : SENIOR MANAGER, ADMINISTRATION TECHNICAL SUPERVISION, MULTIPLE RESOURCE USE, FISH-HABITAT PROTECTION AND MANAGEMENT. ENVIRONMENTAL-IMPACT-ASSESSMENTS; MULTIPLE USE PLANNING AND POLICY DEVELOPMENT. HABITAT INVENTORY, RESTORATION AND DEVELOPMENT PLANNING.
LEBLANC PJ : THE FISH-HABITAT DIVISION PROVIDES THE SCIENTIFIC AND TECHNICAL ASSESSMENT, INVESTIGATION AND RESEARCH REQUIRED FOR THE CONSERVATION, RESTORATION AND DEVELOPMENT OF FRESHWATER AND MARINE FISH-HABITAT RESOURCE BASE OF THE GULF REGION.
MACLEOD JC : FISH HABITAT MANAGEMENT. DEVELOPMENT OF POLICIES & PROGRAMS IN DFO & PROVISION OF ADVICE TO SENIOR MANAGEMENT ON CONSERVATION, RESTORATION & DEVELOPMENT OF FISH-HABITAT SUSTAINING CANADA'S IMPORTANT FISHERIES RESOURCES.
NASSICHUK MD : IMPACT-ASSESSMENT OF PROPOSED INDUSTRIAL DEVELOPMENTS THAT COULD AFFECT WATER-QUALITY. INVESTIGATIVE PROGRAMS ON IMPACT OF SPECIFIC POLLUTANTS & CONTAMINANTS ON FISH (PACIFIC SALMON) & FISH-HABITAT. POLICY & LEGISLATIVE ADVISOR ON WATER-QUALITY ISSUES.
SMITH HD : FISHERIES AND FISH-HABITAT RESEARCH MANAGEMENT, STOCK-ASSESSMENTS AND SOCKEYE SALMON (O.NERKA) BIOLOGY AND POPULATION-DYNAMICS.

FISH-STOCKS

CHRISTIE WJ : FISH POPULATION-DYNAMICS. EFFECTS OF WEATHER, SEA LAMPREY, OVER-FISHING ON YIELDS FROM ECONOMICALLY IMPORTANT LAKE ONTARIO FISH-STOCKS. FISH COMMUNITY DYNAMICS; ANALYSIS OF HISTORICAL TRENDS IN LAKE ONTARIO; IDENTIFICATION OF STRESS EFFECTS. ECOSYSTEM STUDIES. STRATEGIC FISHING MANAGEMENT PLANNING.
LIAW WK : LIMNOLOGICAL AND FISHERIES INVESTIGATIONS; ASSESSMENT OF FISH-STOCKS; AQUATIC ENVIRONMENTAL-IMPACT-ASSESSMENT; LAKE WATER-QUALITY AND TROPHIC STATUS ASSESSMENT; CULTURE OF FISH FINGERLINGS (WALLEYE AND WHITEFISH).

FISHERIES

AKENHEAD SA : FISHERIES OCEANOGRAPHY, BIOLOGICAL OCEANOGRAPHY, FISHERIES MANAGEMENT. ECOLOGICAL MODELLING. HYDROGRAPHY, OCEANOGRAPHIC INSTRUMENTS. MARICULTURE.
ANDERSON JM : FISHERIES RESEARCH & DEVELOPMENT, PARTICULARLY SALMONID AQUACULTURE & SALMON ENHANCEMENT STRATEGIES. EDUCATION & TRAINING A SPECIALTY.
ATTON FM : LIMNOLOGY: APPLIED ASPECTS AND ENVIRONMENTAL-IMPACT-ASSESSMENT. FISH AND MANAGEMENT OF FISHERIES; IDENTIFICATION OF ARCHAEOLOGICAL FISH FAUNAL MATERIAL. LAKE MANAGEMENT: INFERTILE SUBARCTIC LAKES & EUTROPHIC LAKES. CONSULTANT TO GOVERNMENT, PRIVATE CORPORATIONS.

FISHERIES

AYLES GB : RESEARCH ON GENETICS OF FISH, FISH CULTURE AND AQUACULTURE. EXPERIENCE IN NORTH TEMPERATE CLIMATES AND SOME TROPICAL CLIMATES. MANAGEMENT OF FRESHWATER AND MARINE FISHERIES AND AQUATIC RESEARCH.

BERKES F : LIVING RESOURCES, ESPECIALLY FISHERIES, ECOLOGY AND MANAGEMENT; ENVIRONMENTAL-IMPACT OF HYDRO PROJECTS ON FISHERIES; COMMON PROPERTY RESOURCE THEORY; ENVIRONMENT AND RESOURCE POLICIES; SMALL-SCALE FISHERIES AND HUMAN ECOLOGY.

BIDGOOD BF : FRESHWATER FISHERIES BIOLOGY. POPULATION-DYNAMICS, PHYSIOLOGY OF FRESHWATER FISHES. MANIPULATION OF ECOSYSTEMS.

BIOMAIL OFFICE : FUNDAMENTAL RESEARCH IN ALL FIELDS OF MARINE SCIENCES (PHYSICS, BIOLOGY, CHEMISTRY & GEOLOGY) & FISHERIES. HYDROGRAPHIC SURVEYS; PRODUCTION OF NAVIGATIONAL CHARTS FOR REGIONS FROM GEORGE'S BANK TO THE NORTHWEST PASSAGE IN THE CANADIAN ARCTIC; RESEARCH ON POSITIONING SYSTEMS.

HAANA E : COMPUTER-MODELLING OF HAZARDOUS-WASTE, ACID-RAIN, WOOD ENERGY AND FISHERIES FOR POLICY AND DECISION ANALYSIS. DESIGN AND IMPLEMENTATION OF RESOURCE AND ENVIRONMENTAL MANAGEMENT PLANS AND REHABILITATION MEASURES. DEVELOPMENT OF ENVIRONMENTAL ANALYSIS METHODOLOGIES AND INFORMATION-SYSTEMS. BIOPHYSICAL INVENTORIES AND DATA-ANALYSIS FOR BACKGROUND TO PLANNING INITIATIVES.

HANSON AJ : FISHERIES COASTAL ZONE AND OCEAN MANAGEMENT. RESOURCE ECOLOGY AND DEVELOPMENT. FOREST BIOMASS FOR ENERGY. INTERNATIONAL DEVELOPMENT AND THE ENVIRONMENT WITH EXPERTISE IN SOUTHEAST ASIA AND CARIBBEAN.

IREDALE DG : FRESHWATER FISH PRODUCT & PROCESS DEVELOPMENT INCLUDING CURED, CANNED, FORMULATED & WASTE BY-PRODUCTS. RESOURCE DEVELOPMENT INITIATIVES UNDER FISHERIES DEVELOPMENT PROGRAM TO ENHANCE VALUE & MORE EFFICIENT UTILIZATION OF FRESHWATER FISH; TECHNOLOGICAL & ECONOMIC DEVELOPMENT OF INLAND & ARCTIC FISHING INDUSTRY.

LEVINGS CD : ESTUARINE ECOLOGY OF BENTHOS & FISH. PHYSICAL IMPACTS ON WETLANDS SUPPORTING FISHERIES RESOURCES. RIVER ECOLOGY & EFFECTS OF BANKSIDE & RIPARIAN HABITAT DISRUPTION. BENTHIC ECOLOGY & COMMUNITIES IN FIORDS. ESTUARINE & RIVERINE HABITAT RESTORATION.

LIAW WK : LIMNOLOGICAL AND FISHERIES INVESTIGATIONS; ASSESSMENT OF FISH-STOCKS; AQUATIC ENVIRONMENTAL-IMPACT-ASSESSMENT; LAKE WATER-QUALITY AND TROPHIC STATUS ASSESSMENT; CULTURE OF FISH FINGERLINGS (WALLEYE AND WHITEFISH).

MACCRIMMON HR : RESEARCH LIES WITHIN AREA OF FISHERIES SCIENCE & MANAGEMENT; LIMNOLOGY & ENVIRONMENTAL-QUALITY, ESPECIALLY WARMWATER & COLDWATER AQUACULTURE & FISH BIOLOGY, ECOLOGY, & ZOOGEOGRAPHY.

MACLEOD JC : FISH HABITAT MANAGEMENT. DEVELOPMENT OF POLICIES & PROGRAMS IN DFO & PROVISION OF ADVICE TO SENIOR MANAGEMENT ON CONSERVATION, RESTORATION & DEVELOPMENT OF FISH-HABITAT SUSTAINING CANADA'S IMPORTANT FISHERIES RESOURCES.

MCKEE PM : RESEARCH ON FRESHWATER ENVIRONMENTS; CYCLING OF NATURAL ELEMENTS & CONTAMINANTS; EFFECTS OF IONIZING RADIATION ON HUMANS AND OTHER BIOTA; FISHERIES BIOLOGY; BENTHIC ECOLOGY.

MESSIEH S : CONDUCT RESEARCH ON ATLANTIC HERRING FISHERIES & POPULATION-DYNAMICS TO PROVIDE BIOLOGICAL ADVICE ON THEIR MANAGEMENT. STUDY & EFFECT OF ENVIRONMENTAL FACTORS GROWTH, MORTALITY & RECRUITMENT.

MINNS CK : MODELLING & STATISTICAL-ANALYSIS OF FISHERIES & ENVIRONMENTAL PROBLEMS INCLUDING COMMUNITY DYNAMICS, EUTROPHICATION, ACIDIFICATION AND CONTAMINANTS.

NEAME PA : RESEARCH IN NUTRIENT-CYCLING IN AQUATIC-ECOSYSTEMS. EXPERIENCE IN ENVIRONMENTAL-IMPACT-ASSESSMENT AND TROPICAL FISHERIES ECOLOGY.

NICHOLSON HF : CONTINUING PROCESS OF BIBLIOGRAPHIES ON THE LIMNOLOGY AND FISHERIES OF CANADIAN FRESHWATERS.

PEARSE PH : SPECIALIST IN THE ECONOMICS OF NATURAL-RESOURCES. WRITING RELATED TO GOVERNMENT POLICY ON MANAGEMENT OF RENEWABLE-RESOURCES (IN PARTICULAR, FORESTS, FISHERIES, & WATER-RESOURCES). CONSULTANT ON NATURAL-RESOURCES POLICY TO FOREIGN & CANADIAN GOVERNMENT. PROFESSOR OF FORESTRY; PROJECT LEADER: FOREST ECONOMICS & POLICY ANALYSIS PROJECT. FORMERLY: COMMISSIONER OF TWO MAJOR ROYAL COMMISSIONS OF INQUIRY ON RESOURCE POLICY (BRITISH-COLUMBIA FOREST RESOURCES & PACIFIC FISHERIES); CHAIRMAN OF PUBLIC INQUIRY ON FEDERAL WATER POLICY.

RUGGLES CP : FRESHWATER FISHERIES - MANAGEMENT AND DEVELOPMENT; ENVIRONMENTAL-IMPACT-ASSESSMENT. FISH PASSAGE AT DAMS. ATLANTIC SALMON ECOLOGY.

RYDER RA : STUDY OF AQUATIC-ECOSYSTEMS, THEIR PRODUCTIVITY AND THEIR FISHERIES. COMMUNITY PRODUCTION AND INTERACTIONS AMONG COMMUNITY COMPONENTS IN FRESHWATER SYSTEMS. BIOTIC INDICES OF ECOSYSTEM QUALITY.

SANDEMAN EJ : STOCK-ASSESSMENTS AND RELATED RESEARCH ON FISH OF GENUS SEBASTES, SHRIMP (PANDALUS SP.) AND CRABS (CHIONOCETES OPILIO). EXPERTISE IN MANAGEMENT OF RESEARCH AND DEVELOPMENT PROJECTS AND FISHERIES MANAGEMENT POLICY DEVELOPMENT. INTEREST IN COMPUTER BASED DATA-ACQUISITION METHODOLOGY.

SAWCHYN WW : AQUATIC ECOLOGY WITH EMPHASIS ON FISHERIES, AQUATIC ENTOMOLOGY, BRINE SHRIMP AND AQUACULTURE.

SMITH HD : FISHERIES AND FISH-HABITAT RESEARCH MANAGEMENT, STOCK-ASSESSMENTS AND SOCKEYE SALMON (O.NERKA) BIOLOGY AND POPULATION-DYNAMICS.

SURRENDI DC : FISHERIES INCLUDING SPORTFISH MANAGEMENT SURVEYS, COMMERCIAL FISH MANAGEMENT, FISH CULTURE RESEARCH. WILDLIFE INCLUDING BIOLOGICAL RESEARCH ON WILDLIFE SPECIES, HUMANE-TRAPPING RESEARCH. SOCIO-ECONOMIC INCLUDING RESEARCH ON SOCIO-ECONOMIC ASPECTS OF FISH & WILDLIFE RESOURCE USE.

SUTTERLIN AM : AQUACULTURE; FISHERIES; FISH REPRODUCTION, BEHAVIOUR AND PHYSIOLOGY.

FISHERIES

TELEKI GC : ENGINEERING & BIOLOGICAL SCIENCES RELATED ENVIRONMENTAL-ASSESSMENT & MONITORING. ENVIRONMENTAL (NATURAL) RESOURCE-MANAGEMENT MODELLING. ENVIRONMENTAL-IMPACT-ASSESSMENT. FISHERIES & AQUATIC SCIENCES.

FISHES

BEAMISH FWH : ECOLOGY AND PHYSIOLOGY OF TELEOSTS AND CYCLOSTOMES. BIOENERGETICS AND NUTRITION OF SALMONIDS. SUBLETHAL EFFECTS OF XENOBIOTICS ON FISHES.
BIDGOOD BF : FRESHWATER FISHERIES BIOLOGY. POPULATION-DYNAMICS, PHYSIOLOGY OF FRESHWATER FISHES. MANIPULATION OF ECOSYSTEMS.
CLAYTON JW : BIOCHEMICAL GENETICS, POPULATION GENETICS, SYSTEMATICS AND EVOLUTIONARY BIOLOGY OF FISHES AN ARCTIC MARINE MAMMALS.
KWAIN W : THE EFFECTS OF ENVIRONMENTAL FACTORS ON THE SURVIVAL OF FISHES. INCUBATION AND GROWTH, SUCH AS TEMPERATURE, ACID AND HEAVY-METALS, ESPECIALLY TO THEIR EARLY LIFE-HISTORY.
MARGOLIS L : DISEASES AND PARASITES OF FISHES. PARASITES OF MARINE MAMMALS AND INVERTEBRATES. EFFECTS OF ENVIRONMENTAL ALTERATION ON PARASITES AND DISEASES OF AQUATIC ANIMALS. PARASITES AS BIOLOGICAL TAGS FOR FISH POPULATIONS.
NURSALL JR : ECOLOGY OF CORAL-REEFS, ESPECIALLY FISHES; STRUCTURE AND EVOLUTION OF FISHES; SCIENTIFIC POLICY; WASTE-MANAGEMENT.
STEWART DB : BIOLOGICAL AND LIMNOLOGICAL INVENTORY OF LAKES IN THE NORTHWEST TERRITORIES; ZOOGEOGRAPHY, ECOLOGY, LIFE-HISTORY, AND PARASITISM OF ARCTIC FRESHWATER ANADROMOUS, AND MARINE FISHES; ZOOPLANKTON, PHYTOPLANKTON, AQUATIC INSECTS, AND WATER-CHEMISTRY OF ARCTIC LAKES; PHOTOGRAPHIC RECORD.

FISHWAYS

KEMPER JB : ENVIRONMENTAL-ASSESSMENT & MITIGATION RELATED TO WATER-RESOURCE MANAGEMENT: FISHWAYS, INSTREAM FLOW NEEDS, WATER-QUALITY MODELLING, HABITAT ENHANCEMENT.

FLAX

BOWREN KE : TESTING HERBICIDES FOR WEED CONTROL IN BARLEY, FLAX AND CANOLA CROPS.

FLETRISSEMENTS-FONGIQUES

OUELLETTE GB : PATHOLOGIE VEGETALE (SPECIALITE FORESTIERE): FLETRISSEMENTS-FONGIQUES (ORME, TOMATE, AUBERGINE). RELATIONS HOTE-PATHOGENE AU MOYEN: TECHNIQUES MICROSCOPIE ELECTRONIQUE (TRANSMISSION ET BALAYAGE ET MICROANALYSE) & IMMUNOCYCYTOCHIMIQUES. DETECTION DE SUBSTANCES ANTIFONGIQUES OU TOXIQUES. MYCOLOGIE.

FLIES

FORER A : REARING OF CRANE FLIES IN THE LABORATORY, ULTRAVIOLET MICROBEAM IRRADIATIONS AT CONTROLLED WAVELENGTHS AND DOSES, AND MECHANISMS OF CHROMOSOME MOVEMENT DURING CELL DIVISION.
SHEMANCHUK JA : INVESTIGATING METHODS OF PROTECTING CATTLE AND HUMANS FROM BLOOD-SUCKING FLIES THROUGH USE OF REPELLENTS, BIOLOGICAL AGENTS AND MANAGEMENT PRACTICES IN AN ATTEMPT TO REDUCE THE DEPENDENCE ON CHEMICAL PESTICIDES.

FLOCCULATION

LOMAS H : RESEARCH RELATED TO ENVIRONMENTAL PROBLEMS: DEVELOPMENT OF BIODEGRADABLE-DETERGENTS; SUBSTITUTION FOR PHOSPHATES IN DETERGENTS; RECYCLING OF WASTEWATER & FLOCCULATION OF PAPER FINES IN PAPER MILL EFFLUENTS.
MOON KS : SURFACE CHEMISTRY IN WASTEWATER CLEANING, DESULPHURIZATION OF COAL, MINERAL PROCESSING, FLOCCULATION, FILTRATION, DEWATERING, SETTLING AND DRYING; CRYSTAL CHEMISTRY IN SURFACTANT ADSORPTION AND DESORPTION; AND VARIOUS SOLUTION CHEMISTRY OF ORGANICS AND INORGANIC MATERIALS.

FLOCS

GANCZARCZYK JJ : APPLICATION OF ACTIVATED SLUDGE PROCESS FOR TREATMENT OF SEWAGE & INDUSTRIAL-EFFLUENTS, INHIBITION OF NITRIFICATION, PHYSICAL BEHAVIOUR OF BIOLOGICAL FLOCS, ROLE OF SOLID SURFACE IN SUSPENDED GROWTH TREATMENT, ESTIMATION OF BIOMASS PRODUCTION & HAZARDOUS WASTE-TREATMENT & DISPOSAL.

FLOOD

ADAMS BJ : WATER-RESOURCES SYSTEMS ANALYSIS: PLANNING, DESIGN, OPERATION AND MANAGEMENT; WATER-QUALITY MANAGEMENT; REGIONAL WASTEWATER MANAGEMENT; APPLICATIONS OF SYSTEMS ANALYSIS (STATISTICAL, SIMULATION, AND OPTIMIZATION) TECHNIQUES TO ENVIRONMENTAL SYSTEMS; RESERVOIR ANALYSIS; HYDROLOGIC MODELLING; STORMWATER MANAGEMENT; FLOOD CONTROL AND DRAINAGE; IRRIGATION; HYDROLOGIC & METEOROLOGIC DATA-ANALYSIS URBAN WATER SYSTEMS.
BURGESS LCN : FLOOD HAZARD EVALUATION THROUGH REMOTE-SENSING. ENVIRONMENTAL-PROTECTION. SUBUNIT'S EXPERTISE ALSO INCLUDES OCEANOGRAPHY, WILDLIFE, FISHERY & MARINE BIOLOGY, HYDROLOGY, GEOMORPHOLOGY, MARINE MAMMALS, ENVIRONMENTAL-ENGINEERING.
MACLOCK B : FLOODPLAIN MANAGEMENT: INCLUDES FLOOD RISK MAPPING & FLOOD DAMAGE ESTIMATES. FLOOD PROOFING & FLOOD WARNING: TO REDUCE FLOOD DAMAGE POTENTIAL. DRAINAGE & WETLAND MANAGEMENT: MULTIDISCIPLINARY METHODS IN THE CONTEXT OF ECONOMIC EFFICIENCY AND ENVIRONMENTAL NEEDS. MEASURING AMOUNTS AND TYPES OF WETLANDS USING SATELLITE, REMOTE-SENSING & COLOUR-INFRARED AERIAL-PHOTOGRAPHY.
PILON PJ : STATISTICAL MODELLING, PHYSICAL (CONCEPTUAL) MODELLING, DATA SCREENING, FLOOD FREQUENCY ANALYSIS, MICRO COMPUTER USER-FRIENDLY PROGRAMMING, REGRESSION ANALYSIS, FILLING-IN MISSING HYDROMETRIQUE RECORDS.

FLOODING

BELTAOS S : RIVER ICE BREAKUP AND ICE JAMS. FIELD OBSERVATIONS, LABORATORY AND THEORETICAL INVESTIGATIONS. MAIN CONCERNS: EFFECTS ON FLOODING AND ALLEVIATION MEASURES; SHORT AND LONG-TERM FORECASTING; ENVIRONMENTAL-ASSESSMENT.

FLOODPLAIN

MACLOCK B : FLOODPLAIN MANAGEMENT: INCLUDES FLOOD RISK MAPPING & FLOOD DAMAGE ESTIMATES. FLOOD PROOFING & FLOOD WARNING: TO REDUCE FLOOD DAMAGE POTENTIAL. DRAINAGE & WETLAND MANAGEMENT: MULTIDISCIPLINARY METHODS IN THE CONTEXT OF ECONOMIC EFFICIENCY AND ENVIRONMENTAL NEEDS. MEASURING AMOUNTS AND TYPES OF WETLANDS USING SATELLITE, REMOTE-SENSING & COLOUR-INFRARED AERIAL-PHOTOGRAPHY.

FLOODS

GARDNER JS : SNOW & ICE HYDROLOGY, GLACIOLOGY & EROSION IN HIGH MOUNTAIN AREAS. NATURAL HAZARDS (FLOODS, AVALANCHES, LANDSLIDES IN MOUNTAIN ENVIRONMENTS.
YOUNG GJ : HYDROLOGY OF MOUNTAIN AREAS WITH PARTICULAR EMPHASIS ON GLACIERS AS SOURCES OF STREAMFLOW AND AS INITIATORS OF CATASTROPHIC FLOODS. MASS-BALANCE, MONITORING.

FLORA

AIKEN SG : AQUATIC PLANTS IN CANADA (WILD-RICE, ZIZANIA & WATER MILFOIL, MYRIOPHYLLUM) GRASSES, ESPECIALLY FESTUCA, IN NORTH AMERICA. COMPUTER GENERATION OF TAXONOMIC KEYS & DESCRIPTIONS IN FRENCH & ENGLISH. BEGINNING WORK ON THE FLORA OF THE CANADIAN HIGH ARCTIC ISLANDS.
DUNBAR MJ : ARCTIC & SUBARCTIC MARINE ECOSYSTEMS; CLIMATIC CHANGE & ITS EFFECTS ON MARINE FAUNA & FLORA; BIOLOGICAL & ENVIRONMENTAL CYCLES.
HARMS VL : TAXONOMY AND PHYTOGEOGRAPHY OF THE VASCULAR PLANT FLORA OF SASKATCHEWAN AND ADJACENT RECIONS. PHYTOGEOGRAPHY OF SASKATCHEWAN RARE PLANTS. TAXONOMY OF HETEROTHECA (COMPOSITAE), (SPARGIANACEAE), PETASITES (COMPOSITAE), AND NORTHERN PLAINS GRASSES, (GRAMINEAE) AND ORCHIDS (ORCHIDAICEA).
ROWSELL JA : CONSULTANT IN TERRESTRIAL-ECOLOGY: BIOCHEMICAL DYNAMICS; REMOTE-SENSING DATA-ANALYSIS; PHYTOTOXICOLOGY; INDUSTRIAL WASTE-MANAGEMENT; LAND APPLICATION OF WASTES; ENVIRONMENTAL-IMPACT-ASSESSMENT; ECOLOGICAL LAND-CLASSIFICATION; PEATLAND BIOLOGY; FLORA, FAUNA SURVEYS.

FLORE

MINISTERE LOISIR CHASSE ET PECHE : PARCS ET TERRITOIRES FAUNIQUES, FAUNE, FLORE ET HABITATS. PLANIFICATION, GESTION, AMENAGEMENT, INFORMATION, LEGISLATION ENVIRONNEMENTALE, RECHERCHE.

FLUE-GAS

HANSEN KJ : WASTE-MANAGEMENT RELATED TO FLUE-GAS DESULPHURIZATION AND AIR-POLLUTION FROM COAL FIRE THERMAL ELECTRICAL POWER STATIONS.

FLUIDS

MACKNIGHT SD : IMPACTS OF DREDGING AND DREDGED MATERIAL DISPOSAL DISPOSAL OF DRILLING MUDS AND FLUIDS; DISPOSAL IN OCEANS; ESTUARINE CHEMISTRY; CHEMICAL OCEANOGRAPHY; BIOAVAILABILITY OF METALS; SEDIMENT WATER INTERACTIONS.
MES J : RESEARCH AND MONITORING OF HALOGENATED HYDROCARBON RESIDUES IN VARIOUS HUMAN AND MONKEY-TISSUES AND FLUIDS, INCLUDING MOTHER'S MILK.
TOUGH G : MANUFACTURE, DISTRIBUTION AND SERVICING OF FLOW MEASUREMENT PRODUCTS & SYSTEMS FOR RESOURCE MANAGEMENT OF FLUIDS SUCH AS WATER, PETROLEUM PRODUCTS, CHEMICALS, SLURRIES AND NATURAL-GAS.

FLUORESCENCE

UNGER I : PHOTODEGREDATION, PHOTOLYSIS AND PHOTOCHEMICAL REACTIONS OF PESTICIDES. THE INTERACTION OF SUNLIGHT WITH PESTICIDES. FLUORESCENCE, PHOSPHORESCENCE AND ABSORPTION CHARACTERISTICS OF PESTICIDES.

FLUORIDE

DABEKA WR : ANALYSIS FOR TRACE-ELEMENTS, TOXIC ELEMENTS; LEAD CADMIUM, ARSENIC, TIN, FLUORIDE, MERCURY; FOOD DIETARY INTAKES; ANALYTICAL WATER. INSTRUMENTAL EXPERTISE: GRAPHITE FURNACE ATOMIC, ABSORPTION SPECTROMETRY.
STEVENSON LS : MANGANESE NODULES ON OCEAN FLOOR; FLUORIDE CONTENT IN TOOTH MINERALS.

FLUORIDES

KUCERA E : MAMMALS AS INDICATORS OF ENVIRONMENTAL-QUALITY OR CONTAMINATION. MERCURY IN MINK & OTTER. HEAVY-METALS IN WILD MAMMALS. FLUORIDES IN DEER & SMALL MAMMALS. TRANSLATOR: CZECH, GERMAN, RUSSIAN, SLOVAK INTO ENGLISH; ENGLISH INTO CZECH, GERMAN.
OUELLET M : PALEOLIMNOLOGICAL STUDY OF LAKE SEDIMENTS AS A MEANS OF RECONSTRUCTING PAST ANTHROPOGENIC IMPACTS. LONG-RANGE-ATMOSPHERIC-POLLUTANTS SUCH AS ACIDIFYING PRODUCTS, HEAVY-METALS, FLUORIDES AND POLYCYCLIC-HYDROCARBONS.
SIDHU SS : EFFECTS OF FLUORIDES IN THE ATMOSPHERE ON PLANTS & SOILS. EFFECTS OF SIMULATED ACID-RAIN ON PLANT POLLEN; BAFFERING CAPACITY OF PLANT SPECIES. EFFECTS OF HERBICIDES ON TARGET & NON-TARGET SPECIES; RESIDUES IN SOILS & PLANTS AND MOVEMENT OF HERBICIDES IN SOILS.

FLUOROCARBONS

ELIAS L : DETECTION OF TRACE-VAPOURS AND GASES IN ATMOSPHERE. MEASUREMENT OF AIRBORNE EXPLOSIVES, NARCOTICS, PESTICIDES AND FLUOROCARBONS BY PRECONCENTRATION GAS-CHROMATOGRAPHY.

FLY-ASH

DODD DJR : CONTROL OF GAS, LIQUID, SOLID-EMISSIONS FROM THERMAL & NUCLEAR GENERATING STATIONS IN ONTARIO. FOCUS ON FLY-ASH & ACID-GAS CONTROL SYSTEM WASTE-DISPOSAL LEACHING BEHAVIOUR. ACID-GAS CONTROL TECHNOLOGIES.
DUDAS MJ : BIOGEOCHEMISTRY OF TRACE-ELEMENTS, HEAVY-METALS, RADIOISOTOPES IN SOILS, PLANTS & TERRESTRIAL SYSTEMS; CLAY MINERALOGY; RESEARCH ON FLY-ASH LEACHATES, TOXIC INORGANICS IN THE ENVIRONMENT & CYCLING OF NOXIOUS HEAVY-METALS.
WELCH W : PLANT ECOLOGY, WETLAND FOREST SUCCESSION, PLANT SUCCESSION FOLLOWING RIGHT OF WAY CONSTRUCTION, VEGETATION MANAGEMENT ON ELECTRICAL TRANSMISSION RIGHTS OF WAY, VEGETATION INVENTORIES, COAL FLY-ASH RECLAMATION AND EROSION CONTROL.

FOOD

CHOW YL : NITRITE NITRATE CHAINS IN FOOD SYSTEM AND ENVIRONMENT. CHLORINATED-ORGANIC-COMPOUNDS IN ENVIRONMENT. RESEARCH ON FORMATION PATTERNS & DESTRUCTIONS.
DABEKA WR : ANALYSIS FOR TRACE-ELEMENTS, TOXIC ELEMENTS; LEAD CADMIUM, ARSENIC, TIN, FLUORIDE, MERCURY; FOOD DIETARY INTAKES; ANALYTICAL WATER. INSTRUMENTAL EXPERTISE: GRAPHITE FURNACE ATOMIC, ABSORPTION SPECTROMETRY.
FORRESTAL BJ : REDUCTION, REUSE, RECYCLE, RECOVERY, EXCHANGE OF INDUSTRIAL-WASTES. REPORTS ON FOOD AND METAL FINISHING INDUSTRIES. LANDFILL GAS GENERATION. REGULATION COMPLIANCE CONSULTING AND TESTING. ENVIRONMENTAL SURVEYS. ONTARIO WASTE EXCHANGE OPERATION. NOVEL WASTE-TREATMENT USING PEAT.
KHAN AW : ANAEROBIC CONVERSION OF CELLULOSIC WASTE OBTAINED FROM FORESTRY, AGRICULTURE, FARM, PAPER AND FOOD INDUSTRY AS WELL AS INDUSTRIAL AND MUNICIPAL SOLID-WASTE, TO FUELS AND CHEMICAL FEED STOCK.
KOSARIC N : BIOCHEMICAL AND FOOD ENGINEERING. WASTEWATER MANAGEMENT. NEW PROCESS AND PRODUCT DEVELOPMENT RELATED TO ENERGY, FOOD, SPECIALTY CHEMICALS AND ENVIRONMENT.

FOOD

MCEWEN TJ : FOOD-PROCESSING TECHNOLOGY, FOOD WASTE RECOVERY AND UTILIZATION, PROCESS WATER-QUALITY.
PETERS TH : UTILIZATION OF WASTE HEAT FOR FOOD & FOREST TREE-SEEDLING PRODUCTION.
REYNOLDS PJ : PLANNING, COORDINATING AND CONDUCTING A PROGRAM OF LARGELY DIVERSE STUDIES RELATED TO WATER-RESOURCES POLICY STRATEGIES AND MANAGEMENT INTERFACES WITH FOOD, FIBRE, ENERGY AND MINERALS DEVELOPMENT OF WATER-USE ANALYSIS MODELS. CONDUCTING NATIONAL WATER-USE SURVEYS. EVALUATION OF THE VALUE OF WATER-RESOURCES SYSTEMS.
SEN NP : ANALYSIS, OCCURRENCE & FORMATION OF NITRATE, NITRITE & N-NITROSO-COMPOUNDS BOTH VOLATILE & NONVOLATILE IN FOODS. RESEARCH IN PHARMACOLOGICALLY ACTIVE AMINES IN FOODS; NITROSATABLE AMINES IN FOOD PACKAGING MATERIALS.
TODD ECD : FOOD BORNE DISEASE REPORTING & INVESTIGATION, COSTS OF FOOD BORNE DISEASE; SIGNIFICANCE OF TEMPERATURE FOR MICROBIAL GROWTH. PUBLIC HEALTH ASPECTS OF POULTRY PROCESSING, BARBECUED CHICKENS, CHEESE, CREAM PIES AND DONAIRS.
TRACK BL : ASSESSMENT OF DOSES & HEALTH EFFECTS OF ENVIRONMENTAL RADIATION. FOOD CHAIN TRANSFER OF RADIONUCLIDES. ATMOSPHERIC DISPERSION OF RADIONUCLIDES. HUMAN METABOLISM OF RADIONUCLIDES.

FOOD-CHAIN

FISHER KL : INFLUENCE OF LONG-RANGE-AIRBORNE-POLLUTION ON WILDLIFE VIA FOOD-CHAIN. BIOLOGICAL EFFECTS OF LONG-RANGE DEPOSITION OF HEAVY-METALS & THE CONSEQUENCES FOR WILDLIFE OF METAL MOBILIZATION UNDER ACIDIC CONDITIONS. PROGRAM MANAGER OF LRTAP PROGRAM FOR CANADIAN WILDLIFE SERVICE.
KHALIL M : ORGANIC GEOCHEMISTRY OF SURFACE SEDIMENTS. ESTUARINE POLLUTION STUDIES INCLUDING THE CONTAMINATION OF MARINE ORGANISMS BY ORGANOHALOGENATED-COMPOUNDS AND POLYAROMATIC-HYDROCARBONS. TOXICOLOGICAL STUDIES OF INDUSTRIAL POLLUTANTS AND THEIR INTRODUCTION IN THE MARINE FOOD-CHAIN.
SWANSON SM : RADIONUCLIDE ACCUMULATION IN THE AQUATIC AND TERRESTRIAL FOOD-CHAIN; EFFECTS OF LOW LEVEL RADIATION ON FISH POPULATIONS; SECONDARY PRODUCTIVITY IN AQUATIC-ECOSYSTEMS; AQUATIC BIOLOGY.

FOOD-PROCESSING

HRUDEY SE : INDUSTRIAL WASTE-MANAGEMENT, PETROLEUM, ORGANIC CHEMICAL, OIL-SANDS, FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION CONTROL; WATER RECLAMATION AND REUSE; HAZARDOUS TOXIC-WASTE, MANAGEMENT, DISPOSAL; INDUSTRIAL BIOTECHNOLOGY; ANAEROBIC TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT; RISK-ASSESSMENT; HAZARD IDENTIFICATION CONTROL.
MCEWEN TJ : FOOD-PROCESSING TECHNOLOGY, FOOD WASTE RECOVERY AND UTILIZATION, PROCESS WATER-QUALITY.
SCOTT PM : MYCOTOXINS; ANALYTICAL METHODS, EFFECTS OF FOOD-PROCESSING ON MYCOTOXINS & ISOLATION FROM FUNGI. DEOXYNIVALENOL (VOMITOXIN) & OTHER TRICHOTHECENES FROM FUSARIUM SPECIES; MYCOTOXINS FROM FUSARIUM-MONILFORME.

FOOD-WASTES

PINDER KL : ANAEROBIC FERMENTATION OF HIGH BOD FOOD-WASTES. RECOVERY OF CHEMICALS FROM CHLORINE-DIOXIDE BLEACH EFFLUENTS. AUTOCAUSTICIZING OF KRAFT LIQUORS TO ELIMINATE RECAUSTICIZING EFFLUENT.

FOOD-WEBS

MACKO SA : NITROGEN GEOCHEMISTRY OF MARINE SEDIMENTS AND PETROLEUM; EARLY DIAGENESIS OF ORGANIC MATTER; RESOLUTION OF FOOD-WEBS & ORIGINS OF STROMATOLITES THROUGH STABLE ISOTOPE ANALYSIS; KINETIC-ISOTOPIC FRACTIONATION OF ORGANIC AND INORGANIC SUBSTRATES.
WHITE AW : MARINE PLANKTON ECOLOGY, PHYSIOLOGY, TOXICOLOGY. TOXIC PLANKTON BLOOMS. PARALYTIC SHELLFISH-POISONING. EFFECTS OF TOXIC RED-TIDES ON SHELLFISH AND FINFISH RESOURCES. FATE AND CONSEQUENCES OF MARINE TOXINS IN FOOD-WEBS.

FOODS

CURRIE RA : MONITORING OF FOODS FOR PESTICIDE RESIDUES INCLUDING ORGANOCHLORINE AND ORGANOPHOSPHORUS INSECTICIDES AND VARIOUS HERBICIDES.
SEN NP : ANALYSIS, OCCURRENCE & FORMATION OF NITRATE, NITRITE & N-NITROSO-COMPOUNDS BOTH VOLATILE & NONVOLATILE IN FOODS. RESEARCH IN PHARMACOLOGICALLY ACTIVE AMINES IN FOODS; NITROSATABLE AMINES IN FOOD PACKAGING MATERIALS.
SHAH BG : MACRO MINERALS AND MICRO MINERALS. ANALYSIS OF IN FOODS AND TISSUES, BIOAVAILABILITY, METABOLISM, INTERACTIONS, ROLE IN CHRONIC HUMAN DISEASES.

FOODS

STAVRIC B : MUTAGENS (TOXICANTS) IN FOODS: NATURALLY OCCURING OR INTRODUCED THROUGH MAN-MADE AGRICULTURAL CHEMICALS. BIO-ANALYTICAL PROCEDURES IN INTERPHASING STANDARD CHEMICO-ANALYTICAL METHODS WITH BIOASSAYS FOR DETECTING TOXIC (MUTAGENIC) COMPONENTS OF METABOLICS IN COMPLEX MATRICES (FOODS).

FORAMINIFERA

AKSU A E : PALEOCLIMATIC AND OCEANOGRAPHIC EVOLUTION OF THE LABRADOR-SEA AND BAFFIN-BAY DURING THE LAST 25 MA ODP (LEG 105) ARCTIC OCEAN CHRONOSTRATIGRAPHY. SEISMIC STRATIGRAPHY OF SMALL DELTAS IN MICROTIDAL SETTING (AEGEAN-SEA). SEDIMENTOLOGY AND GEOCHEMISTRY OF SALINE AND BITTER LAKES IN ANATOLIA. AMINO-ACID EPIMERIZATION IN FORAMINIFERA. SEDIMENTOLOGY AND SEISMIC STRATIGRAPHY OF FIORDS AND BAYS AROUND NEWFOUNDLAND. SEDIMENTOLOGY OF SHELF BASINS, SLOPE AND RISE TRANSITION.

FOREST

ADDISON PA : RESEARCH IN ENVIRONMENTAL FORESTRY RELATED PRIMARILY TO THE EFFECTS OF ATMOSPHERIC-POLLUTION ON FOREST ECOSYSTEMS. THIS INCLUDES GROWTH & YIELD STUDIES, BIOMONITORING USING BOTH CRYPTOGAMS & HIGHER PLANTS & SOIL BIOLOGICAL & CHEMICAL RESPONSE MEASUREMENTS.

BOYLE TJB : POPULATION & QUANTITATIVE GENETICS, BIOCHEMICAL GENETICS, ESPECIALLY APPLIED TO FOREST GENETICS & TREE IMPROVEMENT OPERATIONS OF BOREAL SPECIES.

BRETT CP : MANAGEMENT OF PROVINCIAL FOREST RESOURCES; DEVELOPMENT OF METHODS FOR IMPROVING QUALITY OF TREE SEED & SEEDLINGS; EVALUATION OF TRIALS USING EXOTIC TREE SPECIES; PROMOTION & FACILITATION OF RESEARCH ON SASKATCHEWAN SILVICULTURE PROBLEMS.

BRIX H : PHYSIOLOGY AND GROWTH OF TREES AND FOREST STANDS IN RELATION TO ENVIRONMENTAL CONDITIONS AND TREATMENT SUCH AS FERTILIZATION AND THINNING.

BUCKNER CH : FOREST-PROTECTION BY MEANS OF PESTICIDES; FOREST-MANAGEMENT; POPULATION-DYNAMICS AS APPLIED TO PEST-MANAGEMENT; BIOLOGICAL CONTROL OF FOREST PESTS; USE OF AIRCRAFT IN FORESTRY FOR PROTECTION & SURVEILLANCE.

BURGER D : FOREST LAND-CLASSIFICATION. EXPERTISE: TREE SPECIES, SITE RELATIONSHIPS (LOCAL & REGIONAL) SOILS, PHYSIOGRAPHY. PROJECTS: SITE REGIONS OF ONTARIO; FOREST ECOREGIONS NORTHEAST US; COMPARISON OF ECOLOGICAL CONDITIONS IN ONTARIO & NORTHEAST CHINA.

CASE AB : SCIENTIFIC LEADERSHIP & MANAGERIAL RESPONSIBILITY FOR RESEARCH AND DEVELOPMENT ACTIVITIES IN FOREST RESOURCES & ENVIRONMENTAL RESEARCH. FOREST ECOLOGY, TREE & FOREST-STAND IMPROVEMENT, REFORESTATION, GROWTH & YIELD STUDIES, ENVIRONMENTAL PROBLEMS RELATED TO FOREST-MANAGEMENT.

CHUNG YS : LONG-RANGE-TRANSPORT-OF-AIR-POLLUTION (LRTAP). SATELLITE DETECTION OF AIR-POLLUTION, EMISSION OF FOREST FIRES, OZONE, SULPHATE, TSP & CARBON-DIOXIDE.

COX RM : EFFECTS OF AIR-POLLUTION ON FOREST PLANT REPRODUCTION & PRODUCTIVITY INCLUDING EFFECTS OF ACID-RAIN OR ACID-FOG & TRACE-ELEMENTS. EVALUATION TRACE-ELEMENT TOLERANCE IN NATIVE PLANTS.

CRABBE RS : EFFECT OF ATMOSPHERIC THERMAL STABILITY ON DEPOSITION & WINDBORNE DRIFT OF AERIAL FOREST PESTICIDE SPRAYS.

D'AOUST AL : PRODUCTION, GROWTH AND PHYSIOLOGY OF CONTAINERIZED FOREST TREE SEEDLINGS FOR REFORESTATION. ENVIRONMENTAL CONDITIONS TO FAVOUR ACCELERATED GROWTH AND HARDENING OF MATERIAL. THE STUDY OF GROWTH AND GAS EXCHANGE ANALYSIS, ALSO THE WATER RELATION OF ACCLIMATIZED SEEDLINGS.

DAUGHARTY DA : INFLUENCE OF FOREST COVER AND MESO-SCALE TOPOGRAPHIC CHARACTERISTICS ON SNOW COVER; INSTALLATION & MAINTENANCE OF METEOROLOGICAL & HYDROMETRIC INSTRUMENTATION, PROGRAMMING OF DATA LOGGERS. ENERGY BALANCE DETERMINATION IN A FORESTED ENVIRONMENT.

DICKISON RBB : CHANGES IN WATER AND ENERGY BALANCES, STREAMFLOW REGIME AND SNOW-COVER AFTER FOREST HARVESTING ARE BEING RESEARCHED AS PART OF THE NASHWAAK EXPERIMENTAL WATERSHED PROJECT. THE INFLUENCE OF LOW-LEVEL TEMPERATURE INVERSIONS AND LAPSE RATES ON THE EFFICACY OF AERIAL SPRAYS ARE BEING STUDIED IN CONJUNCTION WITH THE NEW-BRUNSWICK SPRAY EFFICACY RESEARCH GROUP.

DOLENKO AJ : RESPONSIBILITIES RANGE FROM THE DEVELOPMENT OF FEDERAL BIOENERGY POLICY, TO THE CO-ORDINATION OF THE BIOENERGY RESEARCH AND DEVELOPMENT PROGRAM (BIOENERGY DEVELOPMENT PROGRAM), AND BIOENERGY INCENTIVE PROGRAMS FOREST INDUSTRY RENEWABLE-ENERGY PROGRAM) AND ALTERNATE ENERGY DEVELOPMENT PROGRAM (AEDP).

FINDLAY RL : RESEARCH IN ACID-DEPOSITION & ITS EFFECTS, FOREST & AGRICULTURE RECLAMATION; OIL & SALT WATER SPILL RECLAMATION; IMPACT-ASSESSMENT FOR OIL & GAS DEVELOPMENT; DECOMMISIONING PROGRAMS.

GAGNON D : VEGETATION ENVIRONMENT RELATIONSHIPS WITH APPLICATIONS TO FOREST-MANAGEMENT (REPLANTING), IN SOUTHWESTERN QUEBEC AND VANCOUVER-ISLAND, BRITISH-COLUMBIA. ECOLOGY AND DEMOGRAPHY OF PERENNIAL FOREST HERBS.

GIZYN WI : EFFECT OF ACIDIC-DEPOSITION ON TERRESTRIAL ENVIRONMENT. SURVEYS OF FOLIAR CHEMICAL COMPOSITION IN FOREST TREE SPECIES.

GRAY JA : WATER-RESOURCE ECONOMICS AND PLANNING, WATER-QUALITY ECONOMICS, FOREST ECONOMICS, RECREATION ECONOMICS, BENEFIT-COST-ANALYSIS, ENVIRONMENTAL-IMPACT-ASSESSMENT, RESOURCE FEES AND CHARGES, RESOURCE-POLICY ANALYSIS.

FOREST

GREEN GW : BASIC & APPLIED RESEARCH INTO ALL ASPECTS OF FOREST PEST CONTROL WITH BIOLOGICAL & CHEMICAL PESTICIDES INCLUDING EFFICACY, APPLICATION TECHNOLOGY & ENVIRONMENTAL-IMPACT.

HANSON AJ : FISHERIES COASTAL ZONE AND OCEAN MANAGEMENT. RESOURCE ECOLOGY AND DEVELOPMENT. FOREST BIOMASS FOR ENERGY. INTERNATIONAL DEVELOPMENT AND THE ENVIRONMENT WITH EXPERTISE IN SOUTHEAST ASIA AND CARIBBEAN.

HERMELIN J : FOREST EXTENSION SERVICE IS AN EDUCATIONAL, ADVISORY BODY TO ASSIST, ADVISE, PROMOTE THE MANAGEMENT OF PRIVATE WOODLOTS. INTERACTION WITH WOODLOT OWNERS WHO IN TURN MANAGE THEIR FOREST LAND.

HOGAN GD : INVESTIGATION OF INTERACTION BETWEEN ENVIRONMENTAL CHEMICAL (IE. AIR-POLLUTANTS) AND PHYSICAL (IE. DROUGHT) FACTORS ON THE PHYSIOLOGICAL RESPONSE OF NATIVE FOREST SPECIES.

HOLLAND WD : ECOLOGICAL LAND-CLASSIFICATION & FOREST SITE-CLASSIFICATION INCLUDING LAND FORM, SOIL AND VEGETATION RESOURCE COMPONENTS.

HOLOWACZ J : STUDY OF FOREST-RESOURCES, FORESTRY INSTITUTIONS, FOREST POLICY AND FOREST-BASED INDUSTRIES OF THE USSR AND CERTAIN COUNTRIES BELONGING TO THE COUNCIL FOR MUTUAL ECONOMIC ASSISTANCE, (CMEA).

ILLINGWORTH K : RESEARCH IN SILVICULTURE, BIOMETRICS & SYSTEMS, ECOLOGY & EARTH SCIENCES, INTEGRATED RESOURCE-MANAGEMENT, TREE PHYSIOLOGY & TREE IMPROVEMENT TO SOLVE PROBLEMS IN FOREST & RANGE MANAGEMENT.

JONES ARC : PRIVATE FOREST-MANAGEMENT. SHORT ROTATION FORESTRY; HARDWOOD FOREST DECLINE, MONITORING OF DAMAGING AGENTS & AMELIORATION OF EFFECTS.

KIMMINS JP : ENVIRONMENTAL-IMPACT OF FOREST-MANAGEMENT. FOREST ECOSYSTEM FUNCTIONS, BIOMASS AND NUTRIENT-CYCLING, PRODUCTIVITY. COMPUTER-SIMULATION MODELLING OF LONG-TERM IMPACTS OF INTENSIVE FOREST-MANAGEMENT ON YIELD AND SITE FERTILITY - FORCYTE.

MELOCHE PH : FORINTEK CANADA CORP. IS A PRIVATE, NON-PROFIT RESEARCH AND DEVELOPMENT CORPORATION ACTIVELY ENGAGED IN ALL MAJOR SCIENTIFIC AND TECHNICAL DISCIPLINE RELATED TO WOOD PRODUCTS: SAWMILLING; SEASONING; MACHINING; COMPOSITE PRODUCTS; ADHESIVES; WOOD BASED ENERGY AND CHEMICALS; HOUSING MATERIALS SCIENCE; TIMBER ENGINEERING; WOOD PRESERVATION; FIRE RETARDANTS AND THE WOOD SCIENCES. ASSISTANCE AND EXPERT ADVICE ARE AVAILABLE TO FOREST PRODUCTS INDUSTRIES, GOVERNMENT AGENCIES, TRADE ASSOCIATIONS, CONSULTANTS, EQUIPMENT MANUFACTURERS, EDUCATIONAL INSTITUTIONS AND THE GENERAL PUBLIC.

MERRIAM HG : EFFECTS OF ISOLATION OF FOREST FRAGMENTS BY FARMLAND AND SUBURBAN LAND-USE. EFFECTS OF HETEROGENEITY OF LANDSCAPE MOSAICS ON SPECIES ASSEMBLAGES AND REGIONAL POPULATION-DYNAMICS INCLUDING LOCAL EXTINCTION AND RECOLONIZATION IN PATCHES AND THE EFFECTS OF CONNECTIVITY AMONG HABITAT ISLANDS.

MOORE WC : SATELLITE IMAGE & AERIAL-PHOTO INTERPRETATION TECHNIQUES FOR ECONOMIC & OPERATIONAL MAPPING OF SIGNIFICANT DEPLETIONS IN FOREST RESOURCE INVENTORIES FOR GEOGRAPHIC INFORMATION SYSTEM INPUTS IN COLLABORATION WITH OTHER JURISDICTIONS.

MORRISON IK : RESEARCH INTO EFFECTS OF ACID-RAIN ON FOREST BIOGEOCHEMISTRY, ESPECIALLY EFFECTS ON FOREST PRODUCTIVITY; RESEARCH INTO SOIL CHEMICAL CHANGES EFFECTED BY ACID-RAIN ARTIFICIALLY SUPPLIED; EFFECTS OF TOXIC HEAVY-METALS ON VEGETATION GROWTH.

MUNRO DD : RESEARCH IN FOREST RESOURCES MANAGEMENT.

MURRAY G : FOREST GENETICS RESEARCH WITH EMPHASIS ON GENECOLOGY AND BREEDING OF WHITE SPRUCE (PICEA-GLAUCA) AND LARCH (LARIX).

NICOLSON JA : IMPACT OF FOREST MANAGEMENT PRACTICES & THE LONG-RANGE-TRANSPORT-OF-AIR-POLLUTANTS ON HYDROLOGICAL PROCESSES IN FOREST-ECOSYSTEMS.

OSWALD ET : VEGETATION CLASSIFICATION AND MAPPING, PLANT ECOLOGY, FOREST RESOURCE ANALYSES AND ENVIRONMENTAL-IMPACT-ASSESSMENTS IN NORTH AND WEST CANADA, EXPERTISE IN VEGETATION CLASSIFICATION, SITE-ANALYSIS, PLANT-SUCCESSION, WETLANDS AND REMOTE-SENSING.

PEARCE PA : IMPACT OF TOXIC-CHEMICALS ON WILDLIFE, WITH PARTICULAR REFERENCE TO EFFECTS OF INSECTICIDE SPRAYING ON FOREST PASSERINES. PESTICIDE ECOLOGY.

PEARSE PH : SPECIALIST IN THE ECONOMICS OF NATURAL-RESOURCES. WRITING RELATED TO GOVERNMENT POLICY ON MANAGEMENT OF RENEWABLE-RESOURCES (IN PARTICULAR, FORESTS, FISHERIES, & WATER-RESOURCES). CONSULTANT ON NATURAL-RESOURCES POLICY TO FOREIGN & CANADIAN GOVERNMENT. PROFESSOR OF FORESTRY; PROJECT LEADER: FOREST ECONOMICS & POLICY ANALYSIS PROJECT. FORMERLY: COMMISSIONER OF TWO MAJOR ROYAL COMMISSIONS OF INQUIRY ON RESOURCE POLICY (BRITISH-COLUMBIA FOREST RESOURCES & PACIFIC FISHERIES); CHAIRMAN OF PUBLIC INQUIRY ON FEDERAL WATER POLICY.

PETERS TH : UTILIZATION OF WASTE HEAT FOR FOOD & FOREST TREE-SEEDLING PRODUCTION.

PITEL JA : PHYSIOLOGY & BIOCHEMISTRY OF SEED GERMINATION, SEED DORMANCY & SEED STORAGE PROBLEMS OF FOREST TREE SPECIES. STUDIES ON DNA: STRUCTURE & FUNCTION OF ORGANELLAR & NUCLEAR DNA. DNA CLONING, SEQUENCING ETC.

POLLETT FC : EXECUTIVE DIRECTOR OF INSTITUTE WHICH UNDERTAKES RESEARCH IN FOREST FIRE AND REMOTE-SENSING, FOREST STATISTICS AND SYSTEMS ANALYSIS, INTENSIVE FOREST-MANAGEMENT AND PUBLIC-AWARENESS PROGRAMS.

POLLOCK WS : FOREST RESEARCH AND MANAGEMENT SPECIALIZING IN PRIVATE LAND. POLICY, SILVICULTURE, REFORESTATION, REVEGETATION, FOREST INVENTORY, GROWTH STUDIES.

PRASAD R : EXPERTISE IN: PESTICIDES FOR PROTECTION AND REGENERATION OF CANADIAN FOREST; HERBICIDES FOR FOREST RENEWAL AND IN STUDYING THE FATE OF HERBICIDES IN FOREST ENVIRONMENT; HERBICIDES FOR CONTROL OF MACROPHYTES.

RICHARDSON J : SCIENTIFIC ADVICE IN CANADIAN FORESTRY SERVICE RESEARCH IN THE FIELD OF FOREST PRODUCTIVITY, INCLUDING FOREST INVENTORY, GROWTH & YIELD, REMOTE-SENSING, THINNING, FERTILIZATION, MODELLING & IN FOREST BIOMASS PRODUCTION.

ROBERGE MRR : FOREST SOIL-FERTILITY AND MICROBIOLOGY AND FOREST-MANAGEMENT AND SILVICULTURE.

FOREST

STECHISHEN E : USE AND EFFECTIVENESS OF FOREST FIRE RETARDANTS; USE OF AIR TANKERS AND THEIR EFFECTIVENESS IN FOREST FIRE SUPPRESSION.
STRANG RM : RESEARCH MANAGEMENT AND DIRECTION; FIRE AS AN ECOLOGICAL FACTOR AND TOOL FOR FOREST AND WILDLAND MANAGERS; ECOLOGICAL CONSIDERATIONS IN LAND-USE PLANNING AND MANAGEMENT.
TRUONG DINH PHU : NUTRIENT STATUS IN FOREST-PLANTATIONS & NATURAL FORESTS. FERTILITY STATUS OF FOREST SOILS. EFFECT OF ACID-DEPOSITION ON THE FERTILITY STATUS OF FOREST SOILS & FOREST-ECOSYSTEMS.
WEETMAN GF : STUDY OF STATE OF CANADIAN FOREST-MANAGEMENT. NUTRIENT-CYCLING AND FERTILIZATION RESEARCH. SILVICULTURE OF CANADIAN FOREST TYPES.
WELCH W : PLANT ECOLOGY, WETLAND FOREST SUCCESSION, PLANT SUCCESSION FOLLOWING RIGHT OF WAY CONSTRUCTION, VEGETATION MANAGEMENT ON ELECTRICAL TRANSMISSION RIGHTS OF WAY, VEGETATION INVENTORIES, COAL FLY-ASH RECLAMATION AND EROSION CONTROL.
WHITNEY NJ : MARINE FUNGI: TAXONOMY; METABOLIC PRODUCTS FROM INTERFERENCE COMPETITION; FUNGAL ECOLOGY IN THE MARINE-ENVIRONMENT; ANTIBIOTIC-COMPOUNDS FROM MARINE FUNGI; FUNGAL DISEASES OF FISH. FOREST FUNGI: EPIPHYTIC & ENDOPHYTIC FUNGAL METABOLITES TOXIC TO SPRUCE-BUDWORM. PLANT PATHOLOGY: NEEDLE-CASTS OF CONIFERS.
WOTTON DL : LEAD: DEPOSITION & ACCUMULATION IN URBAN SOILS, SMELTER EMISSIONS, EXHAUST, PAINT RESIDUES. FOREST: EFFECTS FROM MINING SMELTERS ON VEGETATION & SOIL, NORTHERN BOREAL-FOREST ECOSYSTEMS, CONIFEROUS REGENERATION IMPACTS FROM HEAVY-METAL CONTAMINATED SOILS. SOIL & GEOLOGY SENSITIVITY MAPPING FOR ACID-RAIN. HERBICIDES.
YEATMAN CW : PROJECT LEADER OF TREE GENETICS AND BREEDING RESEARCH IN BOREAL CONIFERS. RESEARCH IN GENECOLOGY AND GENETIC IMPROVEMENT OF PINUS-BANKSIANA. ACTIVIST IN PROMOTING CONSERVATION OF FOREST GENETIC RESOURCES WORLD-WIDE.

FOREST-INSECT

CUNNINGHAM JC : PRACTICAL USE OF VIRUSES FOR CONTROL OF FOREST-INSECT PESTS; FORMULATION & APPLICATION OF VIRAL INSECTICIDES; PRODUCTION OF VIRUSES USING HOST INSECT LARVAE. REGISTRATION OF VIRAL INSECTICIDES & COMMERCIALIZATION OF BIOCONTROL PRODUCTS.
RETNAKARAN A : INSECT PHYSIOLOGY: GROWTH & DEVELOPMENT (INSECT HORMONES & INSECT GROWTH REGULATORS). DEVELOPMENT OF HORMONE ANALOGS, MOULT INHIBITORS & CHITIN SYNTHESIS INHIBITORS AS CONTROL AGENTS FOR FOREST-INSECT PESTS. STUDY OF CHITIN SYNTHESIS & BIOCHEMISTRY OF THE SYNTAETIC STEPS. ELECTRON MICROSCOPY, AUTORADIOGRAPHY & CELLULAR LOCALIZATION OF THE CHITIN SYNTHESIS PROCESS.

FOREST-INSECTS

HARRIS JWE : BIOLOGICAL CONTROL OF FOREST-INSECTS.
WONG HR : THE SYSTEMATIC STUDY OF THE SAWFLIES (HYMENOPTERA SYMPHYTA) OF THE WORLD WITH SPECIAL REFERENCE TO THE NEARCTIC AND PALAEARCTIC-SPECIES. BIOLOGICAL STUDIES OF FOREST-INSECTS IN CENTRAL CANADA.

FOREST-MANAGEMENT

ALEMDAG IS : FOREST-MENSURATION (GROWTH AND YIELD) AND FOREST-MANAGEMENT: SITE INDEXES. VOLUME AND YIELD-TABLES. GROWTH-ESTIMATES AND MANAGEMENT TECHNIQUES. METHODS OF ESTIMATING BIOMASS OF TREES AND STANDS.
BARKER DJ : PRACTICAL APPLICATIONS OF ECOLOGICAL CLASSIFICATION. SILVICULTURE PLANNING AND IMPLEMENTATION, INCLUDING REFORESTATION, STAND-TENDING AND REHABILITATION. WOOD RELATED INVENTORIES: BIOMASS; SAWN AND PULP PRODUCTS; FUELWOOD. FOREST-MANAGEMENT PLANNING; TIMBER YIELD ANALYSIS BY COMPUTER.
BOYLE AR : AUTOMATED CARTOGRAPHY AND GEOGRAPHIC INFORMATION-SYSTEMS. HARDWARE AND SOFTWARE DESIGN AND FIELD APPLICATION OF SYSTEMS, WITH PARTICULAR EXPERTISE IN APPLICATIONS IN FOREST-MANAGEMENT.
BUCKNER CH : FOREST-PROTECTION BY MEANS OF PESTICIDES; FOREST-MANAGEMENT; POPULATION-DYNAMICS AS APPLIED TO PEST-MANAGEMENT; BIOLOGICAL CONTROL OF FOREST PESTS; USE OF AIRCRAFT IN FORESTRY FOR PROTECTION & SURVEILLANCE.
CASE AB : SCIENTIFIC LEADERSHIP & MANAGERIAL RESPONSIBILITY FOR RESEARCH AND DEVELOPMENT ACTIVITIES IN FOREST RESOURCES & ENVIRONMENTAL RESEARCH. FOREST ECOLOGY, TREE & FOREST-STAND IMPROVEMENT, REFORESTATION, GROWTH & YIELD STUDIES. ENVIRONMENTAL PROBLEMS RELATED TO FOREST-MANAGEMENT.
GAGNON D : VEGETATION ENVIRONMENT RELATIONSHIPS WITH APPLICATIONS TO FOREST-MANAGEMENT (REPLANTING), IN SOUTHWESTERN QUEBEC AND VANCOUVER-ISLAND, BRITISH-COLUMBIA. ECOLOGY AND DEMOGRAPHY OF PERENNIAL FOREST HERBS.
JONES ARC : PRIVATE FOREST-MANAGEMENT. SHORT ROTATION FORESTRY; HARDWOOD FOREST DECLINE, MONITORING OF DAMAGING AGENTS & AMELIORATION OF EFFECTS.
KIMMINS JP : ENVIRONMENTAL-IMPACT OF FOREST-MANAGEMENT. FOREST ECOSYSTEM FUNCTIONS, BIOMASS AND NUTRIENT-CYCLING, PRODUCTIVITY. COMPUTER-SIMULATION MODELLING OF LONG-TERM IMPACTS OF INTENSIVE FOREST-MANAGEMENT ON YIELD AND SITE FERTILITY - FORCYTE.

FOREST-MANAGEMENT

MACARTHUR JD : SILVICULTURE: MIXED HARDWOOD FORESTS; FOREST-PLANTATIONS. FOREST-MANAGEMENT: SPECIAL CHARACTERISTICS OF PRIVATE WOODLANDS. URBAN FORESTRY: SELECTION & CARE OF ORNAMENTAL TREES & SHRUBS & BIOLOGICAL & ENVIRONMENTAL PROBLEMS OF URBAN VEGETATION.
POLLETT FC : EXECUTIVE DIRECTOR OF INSTITUTE WHICH UNDERTAKES RESEARCH IN FOREST FIRE AND REMOTE-SENSING, FOREST STATISTICS AND SYSTEMS ANALYSIS, INTENSIVE FOREST-MANAGEMENT AND PUBLIC-AWARENESS PROGRAMS.
ROBERGE MRR : FOREST SOIL-FERTILITY AND MICROBIOLOGY AND FOREST-MANAGEMENT AND SILVICULTURE.
WEETMAN GF : STUDY OF STATE OF CANADIAN FOREST-MANAGEMENT. NUTRIENT-CYCLING AND FERTILIZATION RESEARCH. SILVICULTURE OF CANADIAN FOREST TYPES.

FOREST-PROTECTION

BUCKNER CH : FOREST-PROTECTION BY MEANS OF PESTICIDES; FOREST-MANAGEMENT; POPULATION-DYNAMICS AS APPLIED TO PEST-MANAGEMENT; BIOLOGICAL CONTROL OF FOREST PESTS; USE OF AIRCRAFT IN FORESTRY FOR PROTECTION & SURVEILLANCE.
FOGAL WH : FOREST-PROTECTION RESEARCH ON SEED TREES AND PLANTATIONS (ENTOMOLOGY AND PATHOLOGY), CHEMICAL-CONTROL (GROUND APPLICATIONS), BIOLOGICAL CONTROL (MICROBIALS), CULTURAL-CONTROL (HOST RESISTANCE; FOREST-STAND MANAGEMENT).

FOREST-STAND

CASE AB : SCIENTIFIC LEADERSHIP & MANAGERIAL RESPONSIBILITY FOR RESEARCH AND DEVELOPMENT ACTIVITIES IN FOREST RESOURCES & ENVIRONMENTAL RESEARCH. FOREST ECOLOGY, TREE & FOREST-STAND IMPROVEMENT, REFORESTATION, GROWTH & YIELD STUDIES, ENVIRONMENTAL PROBLEMS RELATED TO FOREST-MANAGEMENT.
FOGAL WH : FOREST-PROTECTION RESEARCH ON SEED TREES AND PLANTATIONS (ENTOMOLOGY AND PATHOLOGY), CHEMICAL-CONTROL (GROUND APPLICATIONS), BIOLOGICAL CONTROL (MICROBIALS), CULTURAL-CONTROL (HOST RESISTANCE; FOREST-STAND MANAGEMENT).

FORESTIER

GABOURY G : L' UTILISATION DE PESTICIDES EN MILIEU FORESTIER DE MEME QUE LES ACTIVITES DE PRELEVEMENT DES RESSOURCES. LES POLLUANTS-ATMOSPHERIQUES ET LEURS EFFETS SUR LA FORET. DEVELOPPEMENT DE MOYENS DE LUTTE CONTRE LA TORDEUSE-DES BOURGEONS-DE-L'EPINETTE (BIOESSAIS).
GODBOUT C : RECHERCHES SUR LA FORET ET LES PRODUITS FORESTIERES: ECOSYSTEME FORESTIER (EVOLUTION, DESCRIPTION, REACTION AUX STRESS); REBOISEMENT ET TRAVAUX SYLVICOLES; AMELIORATION GENETIQUE DES ARBRES; TECHNIQUES DE PROTECTION; UTILISATION ET GESTION-DES-FORETS.

FORESTIERE

JOBIN LJ : DEVELOPPEMENT DE PIEGES A INSECTES ET DE RESEAUX PERMETTANT LA DETECTION ET LA SURVEILLANCE D' INSECTES INVISIBLES AUX FORETS ET A L' AGRICULTURE. PIEGES A PHEROMONES SEXUELLES ET PIEGES-LUMINEUX. ENTOMOLOGIE FORESTIERE. PROTECTION DES FORETS.
OUELLETTE GB : PATHOLOGIE VEGETALE (SPECIALITE FORESTIERE): FLETRISSEMENTS-FONGIQUES (ORME, TOMATE, AUBERGINE). RELATIONS HOTE-PATHOGENE AU MOYEN: TECHNIQUES MICROSCOPIE ELECTRONIQUE (TRANSMISSION ET BALAYAGE ET MICROANALYSE) & IMMUNOCYCYTOCHIMIQUES. DETECTION DE SUBSTANCES ANTIFONGIQUES OU TOXIQUES. MYCOLOGIE.

FORESTIERES

GODBOUT C : RECHERCHES SUR LA FORET ET LES PRODUITS FORESTIERES: ECOSYSTEME FORESTIER (EVOLUTION, DESCRIPTION, REACTION AUX STRESS); REBOISEMENT ET TRAVAUX SYLVICOLES; AMELIORATION GENETIQUE DES ARBRES; TECHNIQUES DE PROTECTION; UTILISATION ET GESTION-DES-FORETS.
MELANCON M : MONITORING DE L' UTILIZATION DES RESSOURCES AGRICOLES, FORESTIERES ET DE MILIEUX-HUMIDES.
PLAMONDON AP : EVALUATION-DES-IMPACTS DES OPERATIONS FORESTIERES SUR LE REGIME ET LA QUALITE-DE-L'EAU. RESTAURATION DES BASSINS HYDROGRAPHIQUES DETERIORES PAR L' EROSION EN MILIEUX HUMIDES, SEC OU MONTAGNEUX.

FORESTIERS

DESGRANGES JL : ETUDES ECOLOGIQUES SUR LA PLUPART DES GROUPES D' OISEAUX DU CANADA. STRUCTURE DES COMMUNAUTES. SELECTION DE L' HABITAT. EFFETS DES PLUIES-ACIDES SUR LES OISEAUX LACUSTRES ET FORESTIERS.

FORESTRY

ADDISON PA : RESEARCH IN ENVIRONMENTAL FORESTRY RELATED PRIMARILY TO THE EFFECTS OF ATMOSPHERIC-POLLUTION ON FOREST ECOSYSTEMS. THIS INCLUDES GROWTH & YIELD STUDIES, BIOMONITORING USING BOTH CRYPTOGAMS & HIGHER PLANTS & SOIL BIOLOGICAL & CHEMICAL RESPONSE MEASUREMENTS.

BLAIR N : RESEARCH ASSOCIATE. PROVINCIAL CONSERVATION STRATEGY, NOVA-SCOTIA, INCLUDING PARTICIPATORY ACTION RESEARCH WITH NONGOVERNMENTAL AND GOVERNMENTAL GROUPS, PUBLIC EDUCATION. STUDIES IN FUELWOOD SUPPLY, MARKETING AND DISTRIBUTION IN NOVA-SCOTIA FORESTRY STUDIES: SOCIOLOGICAL, POLICY AND BUSINESS. PROJECT OFFICER IN TRAINING INDONESIANS IN ENVIRONMENTAL SKILLS EG. ENVIRONMENTAL-LAW, ENVIRONMENTAL-IMPACT-ASSESSMENT, ETC.

BUCKNER CH : FOREST-PROTECTION BY MEANS OF PESTICIDES; FOREST-MANAGEMENT; POPULATION-DYNAMICS AS APPLIED TO PEST-MANAGEMENT; BIOLOGICAL CONTROL OF FOREST PESTS; USE OF AIRCRAFT IN FORESTRY FOR PROTECTION & SURVEILLANCE.

DE'ATH CE : KOREA: RESEARCH ON POPULATION, AIR & WATER-QUALITY, NUCLEAR-WASTE, AGRICULTURE & INDUSTRIAL POLLUTION WILDLIFE. PAPUA-NEW-GUINEA: MANUS-ISLAND & FORESTRY DEVELOPMENT IMPACTS. CANADA: SOCIAL & ENVIRONMENTAL-ASSESSMENT (LAKE EUGENIA, NWT), ENERGY EDUCATION IN ONTARIO, MINING IN WINDIGO TRIBAL AREA OF NORTHERN ONTARIO.

EASTMAN DS : HABITAT RELATIONSHIPS OF WILDLIFE & THE IMPACT OF FORESTRY & OTHER RESOURCE USE ACTIVITIES ON THEM. POPULATION RELATED ASPECTS OF WILDLIFE SUCH AS PREDATION, DISEASE & COMPETITION.

HEALE EL : DEVELOPMENT OF WOODY TREES AND SHRUBS ON TAILINGS; TRACE-ELEMENTS (ESPECIALLY NICKEL AND COPPER). EFFECTS ON VEGETATION; EXPERIMENTS UTILIZING WASTE GEOTHERMAL HEAT ENERGY FOR THE PRODUCTION OF GREENHOUSE VEGETABLE AND FORESTRY CROPS; INVESTIGATION, NEGOTIATION AND SETTLEMENT OF CLAIMS FOR VEGETATION DAMAGE.

HOLOWACZ J : STUDY OF FOREST-RESOURCES, FORESTRY INSTITUTIONS, FOREST POLICY AND FOREST-BASED INDUSTRIES OF THE USSR AND CERTAIN COUNTRIES BELONGING TO THE COUNCIL FOR MUTUAL ECONOMIC ASSISTANCE, (CMEA).

JONES ARC : PRIVATE FOREST-MANAGEMENT. SHORT ROTATION FORESTRY; HARDWOOD FOREST DECLINE, MONITORING OF DAMAGING AGENTS & AMELIORATION OF EFFECTS.

KHAN AW : ANAEROBIC CONVERSION OF CELLULOSIC WASTE OBTAINED FROM FORESTRY, AGRICULTURE, FARM, PAPER AND FOOD INDUSTRY AS WELL AS INDUSTRIAL AND MUNICIPAL SOLID-WASTE, TO FUELS AND CHEMICAL FEED STOCK.

KINGSBURY PD : ENVIRONMENTAL-IMPACT OF FORESTRY PESTICIDES IN TERMS OF EFFECTS ON FISH, AQUATIC INVERTEBRATE, SONGBIRD AND TERRESTRIAL INVERTEBRATE POPULATIONS AND THEIR ECOLOGICAL RELATIONSHIPS.

KITCHEN CM : APPLICATION OF ENVIRONMENTAL SCIENCES TO PLANNING AND DESIGN ENGINEERING, DECISION MAKING; ENVIRONMENTAL-ASSESSMENT; SOILS & AGRICULTURE; FORESTRY, RECREATION, RESOURCE-MANAGEMENT. NATURAL AREAS RESEARCH.

LOUIE RH : BIOPHYSICAL SURVEYS (SOILS, SURFICIAL GEOLOGY, VEGETATION, WILDLIFE HABITAT, CLIMATE), LAND USE IN BRITISH-COLUMBIA & APPLICATIONS FOR AGRICULTURE, FORESTRY, WILDLIFE, WATER, FISH & OTHER LAND USE PLANNING, ASSESSMENT AND MONITORING. BASE MAP PRODUCTION (TOPOGRAPHIC, PLANIMETRIC AND CADASTRAL). REMOTE-SENSING.

MACARTHUR JD : SILVICULTURE: MIXED HARDWOOD FORESTS; FOREST-PLANTATIONS. FOREST-MANAGEMENT: SPECIAL CHARACTERISTICS OF PRIVATE WOODLANDS. URBAN FORESTRY: SELECTION & CARE OF ORNAMENTAL TREES & SHRUBS & BIOLOGICAL & ENVIRONMENTAL PROBLEMS OF URBAN VEGETATION.

MEAD DA : RESOURCE-PLANNING; DATA-QUALITY ASSESSMENT. FORESTRY.

MURRAY DR : INVENTORY OF CANADIAN ACTIVITIES RELATED TO SOIL & WATER LIMITATIONS, DEGRADATION, CONSERVATION, IMPROVEMENT, RECLAMATION. ACTIVITIES ASSOCIATED WITH MINING, AGRICULTURE, FORESTRY, ENERGY, TRANSPORTATION, CONSTRUCTION, ETC.

NAZIR M : IMPACT OF FORESTRY OPERATION ON ENVIRONMENT. ENVIRONMENTAL-IMPACT OF HERBICIDE & INSECTICIDE USE.

PARMELEE JA : TAXONOMIC RESEARCH IN PARASITIC FUNGI (RUSTS, SMUTS AND MILDEWS) OF VASCULAR PLANTS. STUDIES INCLUDE REVIEWS ON GEOGRAPHIC DISTRIBUTION AND LIFE-HISTORIES. RELATED WORK INVOLVES CREATION OF THE NATIONAL MYCOLOGICAL HERBARIUM A COLLECTION OF 250,000 DRIED FUNGUS SPECIMENS OF IMPORTANCE TO AGRICULTURE AND FORESTRY.

PEARSE PH : SPECIALIST IN THE ECONOMICS OF NATURAL-RESOURCES. WRITING RELATED TO GOVERNMENT POLICY ON MANAGEMENT OF RENEWABLE-RESOURCES (IN PARTICULAR, FORESTS, FISHERIES, & WATER-RESOURCES). CONSULTANT ON NATURAL-RESOURCES POLICY TO FOREIGN & CANADIAN GOVERNMENT. PROFESSOR OF FORESTRY; PROJECT LEADER: FOREST ECONOMICS & POLICY ANALYSIS PROJECT. FORMERLY: COMMISSIONER OF TWO MAJOR ROYAL COMMISSIONS OF INQUIRY ON RESOURCE POLICY (BRITISH-COLUMBIA FOREST RESOURCES & PACIFIC FISHERIES); CHAIRMAN OF PUBLIC INQUIRY ON FEDERAL WATER POLICY.

RICHARDSON J : SCIENTIFIC ADVICE IN CANADIAN FORESTRY SERVICE RESEARCH IN THE FIELD OF FOREST PRODUCTIVITY, INCLUDING FOREST INVENTORY, GROWTH & YIELD, REMOTE-SENSING, THINNING, FERTILIZATION, MODELLING & IN FOREST BIOMASS PRODUCTION.

SASKATCHEWAN FORESTRY ASSOCIATION : THE SASKATCHEWAN FORESTRY ASSOCIATION IS A (REGISTERED) CANADIAN CHARITABLE ORGANIZATION DEDICATED TO THE WISE USE OF OUR FOREST-RESOURCE. WITH ITS SISTER FORESTRY ASSOCIATIONS, IT SEEKS TO PROMOTE PUBLIC-AWARENESS AND STIMULATE INTEREST IN OUR FORESTS, AND INTER-DEPENDENT RESOURCES.

SUTTON RF : PLANTATION ESTABLISHMENT IN FORESTRY (REGENERATION SILVICULTURE) IN THE BOREAL-FOREST: ALSO SCIENTIFIC & TECHNICAL EDITING.

FORESTS

FORTESCUE JAC : ENVIRONMENTAL GEOCHEMICAL SURVEYS GEOCHEMICAL STUDIES OF ENVIRONMENTAL DECLINE IN WATERS AND FORESTS OF THE CANADIAN SHIELD.
MACARTHUR JD : SILVICULTURE: MIXED HARDWOOD FORESTS; FOREST-PLANTATIONS. FOREST-MANAGEMENT: SPECIAL CHARACTERISTICS OF PRIVATE WOODLANDS. URBAN FORESTRY: SELECTION & CARE OF ORNAMENTAL TREES & SHRUBS & BIOLOGICAL & ENVIRONMENTAL PROBLEMS OF URBAN VEGETATION.
MORIN JR : RESEARCH RELATES TO RESOURCE DEVELOPMENT, RESOURCE CONSERVATION & THE PROTECTION OF PUBLIC SAFETY & RESOURCES FROM NATURAL HAZARDS PLANS ARE PREPARED FOR CROWN LANDS, WATERS, FORESTS, PARKS, FISH & WILDLIFE RESOURCES TO PROMOTE THEIR WISE MANAGEMENT FOR ECONOMIC & SOCIAL BENEFIT.
PEARSE PH : SPECIALIST IN THE ECONOMICS OF NATURAL-RESOURCES. WRITING RELATED TO GOVERNMENT POLICY ON MANAGEMENT OF RENEWABLE-RESOURCES (IN PARTICULAR, FORESTS, FISHERIES, & WATER-RESOURCES). CONSULTANT ON NATURAL-RESOURCES POLICY TO FOREIGN & CANADIAN GOVERNMENT. PROFESSOR OF FORESTRY; PROJECT LEADER: FOREST ECONOMICS & POLICY ANALYSIS PROJECT. FORMERLY: COMMISSIONER OF TWO MAJOR ROYAL COMMISSIONS OF INQUIRY ON RESOURCE POLICY (BRITISH-COLUMBIA FOREST RESOURCES & PACIFIC FISHERIES); CHAIRMAN OF PUBLIC INQUIRY ON FEDERAL WATER POLICY.
ROBITAILLE G : EFFECTS OF PRIMARY & SECONDARY AIR-POLLUTANTS INCLUDING ACID-RAIN ON FORESTS, SOILS, LICHENS & MOSSES; NUTRIENT CYCLING IN FOREST-ECOSYSTEMS; BIOGEOCHEMICAL CYCLES; BIOMONITORING; TREE-RING ANALYSIS IN RELATION TO POLLUTION.
SAFRANYIK L : CONDUCT STUDIES OF THE MANAGEMENT & POPULATION-DYNAMICS OF DESTRUCTIVE BARK BEETLES IN CONIFEROUS FORESTS. DEVELOP TECHNIQUES & MANAGEMENT GUIDELINES FOR PREVENTING & REDUCING LOSSES FROM DESTRUCTIVE BARK BEETLES.
SASKATCHEWAN FORESTRY ASSOCIATION : THE SASKATCHEWAN FORESTRY ASSOCIATION IS A (REGISTERED) CANADIAN CHARITABLE ORGANIZATION DEDICATED TO THE WISE USE OF OUR FOREST-RESOURCE. WITH ITS SISTER FORESTRY ASSOCIATIONS, IT SEEKS TO PROMOTE PUBLIC-AWARENESS AND STIMULATE INTEREST IN OUR FORESTS, AND INTER-DEPENDENT RESOURCES.
TRUONG DINH PHU : NUTRIENT STATUS IN FOREST-PLANTATIONS & NATURAL FORESTS. FERTILITY STATUS OF FOREST SOILS. EFFECT OF ACID-DEPOSITION ON THE FERTILITY STATUS OF FOREST SOILS & FOREST-ECOSYSTEMS.
WHITNEY HS : EVALUATION OF ENTOMOPATHOGERIC FUNGI FOR INSECT-CONTROL IN CONIFEROUS FORESTS.

FORET

FEDERATION DES PRODUCTEURS : DOMAINE DE LA FORET PRIVEE DU QUEBEC. LA FPBQ A POUR TACHE D' ASSURER LA COORDINATION DE LA MISE EN MARCHE DES BOIS PRODUITS A PARTIR DE LA FORET PRIVEE D'UNE PART ET DE DEVELOPPER CETTE FORET PRIVEE PAR LA MISE EN PLACE DE PROGRAMMES D' AMENAGEMENT-FORESTIER. NOUS MAINTENONS A JOUR LES STATISTIQUES SUR LES BIO-PHYSIQUES ET SOCIO-ECONOMIQUES DE LA FORET PRIVEE QUEBECOISE.
GABOURY G : L' UTILISATION DE PESTICIDES EN MILIEU FORESTIER DE MEME QUE LES ACTIVITES DE PRELEVEMENT DES RESSOURCES. LES POLLUANTS-ATMOSPHERIQUES ET LEURS EFFETS SUR LA FORET. DEVELOPPEMENT DE MOYENS DE LUTTE CONTRE LA TORDEUSE-DES-BOURGEONS-DE-L'EPINETTE (BIOESSAIS).
GODBOUT C : RECHERCHES SUR LA FORET ET LES PRODUITS FORESTIERES: ECOSYSTEME FORESTIER (EVOLUTION, DESCRIPTION, REACTION AUX STRESS); REBOISEMENT ET TRAVAUX SYLVICOLES; AMELIORATION GENETIQUE DES ARBRES; TECHNIQUES DE PROTECTION; UTILISATION ET GESTION-DES-FORETS.

FORETS

HARDY Y : PROTECTION DES FORETS CONTRE LES INSECTES ET LES MALADIES; EPIDEMIOLOGIE ET LES MOUVEMENTS DES POPULATIONS D'INSECTES AINSI QUE L'ETUDE DES CHAMPIGNONS-PATHOGENES. LA CULTURE DE SEMIS EN CONTENEURS, LA SYLVICULTURE DES RESINEUX ET DES FEUILLUES, LA TELEDETECTION, LA GENETIQUE.
JOBIN LJ : DEVELOPPEMENT DE PIEGES A INSECTES ET DE RESEAUX PERMETTANT LA DETECTION ET LA SURVEILLANCE D' INSECTES INVISIBLES AUX FORETS ET A L' AGRICULTURE. PIEGES A PHEROMONES SEXUELLES ET PIEGES-LUMINEUX. ENTOMOLOGIE FORESTIERE. PROTECTION DES FORETS.
LACHANCE D : RESPONSABLE D'UN SERVICE DE RELEVE ANNUEL DES INSECTES ET DES MALADIES DES ARBRES PAR TOUTE LA PROVINCE DE QUEBEC. ESTIMONS L'IMPACT DES RAVAGEURS SUR LA PRODUCTION EN FIBRES LIGNEUSES DES FORETS. PRODUISONS DES RAPPORTS ANNUELS ET PONCTUELS.

FORMALDEHYDE

DAY JH : INDOOR-AIR QUALITY; MOULD, FORMALDEHYDE & OTHER REACTANTS AND HUMAN HEALTH.

FORSTER'S-TERNS

MCNICHOLL MK : ORNITHOLOGY. ECOLOGICAL & BEHAVIOURAL ASPECTS OF BIRD BIOLOGY. BREEDING BIOLOGY & ECOLOGY OF FORSTER'S-TERNS & OTHER MARSH NESTING SPECIES. SOCIAL ORGANIZATION AND BEHAVIOUR OF BLUE-GROUSE. NESTING STUDIES OF COMMON NIGHTHAWKS.

FRACTIONATION

MACKO SA : NITROGEN GEOCHEMISTRY OF MARINE SEDIMENTS AND PETROLEUM; EARLY DIAGENESIS OF ORGANIC MATTER; RESOLUTION OF FOOD-WEBS & ORIGINS OF STROMATOLITES THROUGH STABLE ISOTOPE ANALYSIS; KINETIC-ISOTOPIC FRACTIONATION OF ORGANIC AND INORGANIC SUBSTRATES.
OVEREND RP : INVESTIGATION OF POTENTIAL AND APPLICATIONS OF BIOMASS LIQUEFACTION AND FRACTIONATION FOR CHEMICALS AND ENERGY. PEAT MINING AND DEWATERING WITH ENVIRONMENTAL-IMPACT AND PROCESS IMPACT.

FRESHWATER

AYLES GB : RESEARCH ON GENETICS OF FISH, FISH CULTURE AND AQUACULTURE. EXPERIENCE IN NORTH TEMPERATE CLIMATES AND SOME TROPICAL CLIMATES. MANAGEMENT OF FRESHWATER AND MARINE FISHERIES AND AQUATIC RESEARCH.
BIDGOOD BF : FRESHWATER FISHERIES BIOLOGY. POPULATION-DYNAMICS, PHYSIOLOGY OF FRESHWATER FISHES. MANIPULATION OF ECOSYSTEMS.
COOLEY JM : FRESHWATER ZOOPLANKTON RESPONSE TO POLLUTION.
DAVIES RW : INVESTIGATIONS OF THE ABUNDANCE AND DISTRIBUTION OF FRESHWATER BENTHIC MACROINVERTEBRATES. STUDIES ON PREDATOR AND PREY INTERACTIONS, SANGUIVORY AND THE EFFECTS OF HYPOXIA, AND ANOXIA HAVE BEEN CARRIED OUT.
DORE WG : TAXONOMY AND MORPHOLOGY OF GRAMINEAE. PHYTOGEOGRAPHY IN EASTERN NORTH-AMERICA. ABORIGINAL USES OF PLANTS. HISTORICAL CANADIAN BOTANY. FRESHWATER AQUATICS.
HOLDWAY DA : FISH-TOXICOLOGY: CHRONIC & ACUTE EFFECTS OF PESTICIDES (METHOXYCHLOR, PERMETHRIN), HERBICIDES (GLYPHOSATE), & METALS (VANADIUM) ON SURVIVAL, GROWTH & REPRODUCTION OF FLAGFISH & WHITE SUCKERS; EFFECTS ON BRAIN NEUROTRANSMITTERS & BIOENERGETICS. DEVELOPED TECHNIQUE FOR MEASURING DIMETHYL-SULFIDE AT PARTS PER TRILLION LEVELS IN FRESHWATER.
IREDALE DG : FRESHWATER FISH PRODUCT & PROCESS DEVELOPMENT INCLUDING CURED, CANNED, FORMULATED & WASTE BY-PRODUCTS. RESOURCE DEVELOPMENT INITIATIVES UNDER FISHERIES DEVELOPMENT PROGRAM TO ENHANCE VALUE & MORE EFFICIENT UTILIZATION OF FRESHWATER FISH; TECHNOLOGICAL & ECONOMIC DEVELOPMENT OF INLAND & ARCTIC FISHING INDUSTRY.
LAKSHMINARAYANA JSS : BIOLOGICAL LIMNOLOGY & OCEANOGRAPHY; POLLUTION, WATER-QUALITY, ALGAE, PHYTOPLANKTON, PRODUCTIVITY. TEACHING, SCIENTIFIC RESEARCH & DEVELOPMENT: COASTAL, MARINE & FRESHWATER ENVIRONMENT.
LEBLANC PJ : THE FISH-HABITAT DIVISION PROVIDES THE SCIENTIFIC AND TECHNICAL ASSESSMENT, INVESTIGATION AND RESEARCH REQUIRED FOR THE CONSERVATION, RESTORATION AND DEVELOPMENT OF FRESHWATER AND MARINE FISH-HABITAT RESOURCE BASE OF THE GULF REGION.
MACKAY WC : ENVIRONMENTAL PHYSIOLOGY OF FISH PARTICULARLY ENERGETICS (SWIMMING, GROWTH, REPRODUCTION) OF TEMPERATE FRESHWATER FISH. FACTORS WHICH AFFECT GROWTH RATE INCLUDING LATITUDE, TEMPERATURE, COMPETITION. REPRODUCTIVE STRATEGIES.
MARSHALL KE : INFORMATION RETRIEVAL SPECIALIST ESPECIALLY IN THE SUBJECT AREA OF AQUATIC-BIOLOGY (PARTICULARLY FRESHWATER). EXPERT IN THE USE OF ONLINE DATA-BASES IN THE RETRIEVAL OF INFORMATION IN THIS AREA.
MCKEE PM : RESEARCH ON FRESHWATER ENVIRONMENTS; CYCLING OF NATURAL ELEMENTS & CONTAMINANTS; EFFECTS OF IONIZING RADIATION ON HUMANS AND OTHER BIOTA; FISHERIES BIOLOGY; BENTHIC ECOLOGY.
ROFF JC : BROAD EXPERTISE IN AQUATIC SCIENCES, MARINE, ESTUARINE, FRESHWATER AND STREAMS, ECOSYSTEMS, ARCTIC CHEMICAL AND BIOLOGICAL OCEANOGRAPHY.
ROSENBERG DM : DESIGN OF ENVIRONMENTAL-IMPACT STUDIES; EFFECTS OF ENVIRONMENTAL DISTURBANCES ON MACROBENTHIC INVERTEBRATES; SAMPLING METHODS & DESIGN OF SAMPLING PROGRAMS FOR MACROBENTHOS; ECOLOGY OF CHIRONOMIDAE; AQUATIC INSECTS OF FRESHWATER WETLANDS.
RUGGLES CP : FRESHWATER FISHERIES - MANAGEMENT AND DEVELOPMENT; ENVIRONMENTAL-IMPACT-ASSESSMENT. FISH PASSAGE AT DAMS. ATLANTIC SALMON ECOLOGY.
RYAN PM : FRESHWATER BIOLOGY. FACTORS DETERMINING THE ABUNDANCE AND DISTRIBUTION OF FRESHWATER ORGANISMS. GENERAL LIMNOLOGY. AQUATIC ECOLOGY.
RYDER RA : STUDY OF AQUATIC-ECOSYSTEMS, THEIR PRODUCTIVITY AND THEIR FISHERIES. COMMUNITY PRODUCTION AND INTERACTIONS AMONG COMMUNITY COMPONENTS IN FRESHWATER SYSTEMS. BIOTIC INDICES OF ECOSYSTEM QUALITY.
STEWART DB : BIOLOGICAL AND LIMNOLOGICAL INVENTORY OF LAKES IN THE NORTHWEST TERRITORIES; ZOOGEOGRAPHY, ECOLOGY, LIFE-HISTORY, AND PARASITISM OF ARCTIC FRESHWATER ANADROMOUS, AND MARINE FISHES; ZOOPLANKTON, PHYTOPLANKTON, AQUATIC INSECTS, AND WATER-CHEMISTRY OF ARCTIC LAKES; PHOTOGRAPHIC RECORD.
TOKARSKY O : EVALUATION OF REGIONAL AQUIFERS IN ALBERTA, BY MAPS & CROSS SECTIONS USING EXISTING WELL & TESTHOLE DATA. DETERMINATION OF BASE OF GROUNDWATER PROTECTION, FRESHWATER, SALINE WATER BOUNDARY.
WIGGINS GB : RESEARCH CONCERNED WITH BIOSYSTEMATICS OF TRICHOPTERA (CADDISFLIES), AN ORDER OF AQUATIC INSECTS IMPORTANT IN THE TRANSFER OF ENERGY AND NUTRIENTS IN ALL TYPES OF FRESHWATER HABITATS.

FRESHWATERS

NICHOLSON HF : CONTINUING PROCESS OF BIBLIOGRAPHIES ON THE LIMNOLOGY AND FISHERIES OF CANADIAN FRESHWATERS.

FROID

BOLDUC RJ : PHYSIOLOGIE ET BIOCHIMIE DU FROID, DE LA SECHERESSE ET DE LA SALINITE CHEZ LES PLANTES CULTIVEES. PHYSIOLOGIE DE LA PRODUCTION DES PLANTES CULTIVEES SOUS CHACUN DE CES STRESS. CULTURES A L'ETUDE: HERBAGES, CEREALES, PLANTES ORNEMENTALES, CULTURES FRUITIERES, ESPECES LIGNEUSES.

FRUIT

CHENG HH : BIOLOGY, POPULATION-DYNAMICS, CHEMICAL AND BIOLOGICAL CONTROL OF INSECTS ATTACKING TOBACCO AND PEANUT CROPS; ASSESSMENT OF CROP LOSSES. WITHOUT THE USE OF INSECTICIDES. INTEGRATED PEST-MANAGEMENT FOR VEGETABLE AND FRUIT CROPS.

HADZIYEV D : OILSEED TECHNOLOGY & CEREAL SCIENCE, FRUIT & VEGETABLE PROCESSING; USE OF YAM & OTHER STARCHES IN BREADMAKING; POTATO PROCESSING: CHEMISTRY & BIOCHEMISTRY ASPECTS (PRESERVATION) OF VITAMINS, FLAVORING CONSTITUENTS, TAILORING OF OIL UPTAKE, STICKINESS IN DEHYDRATED MASHED POTATOES). CEREALS EXTENSION.

PREE DJ : INSECTICIDE RESISTANCE & MANAGEMENT STUDIES WITH TREE FRUIT INSECTS.

STUSHNOFF C : COLD STRESS, PLANT BREEDING, FRUIT CROPS. GENE RESOURCES & CRYOPRESERVATION; STRAWBERRIES, APPLES, BLUEBERRIES, GENERAL HORTICULTURE INCLUDING VEGETABLES, POTATOES.

SZETO SY : TRANSLOCATION, METABOLISM AND DEGRADATION OF PESTICIDES IN SOIL AND IN VEGETABLE AND SMALL FRUIT CROPS; CHEMICAL ASPECTS OF NATURAL ATTRACTANTS OF THESE CROPS TO INSECT PESTS. PUBLICATIONS AVAILABLE.

FRUITIERES

BOLDUC RJ : PHYSIOLOGIE ET BIOCHIMIE DU FROID, DE LA SECHERESSE ET DE LA SALINITE CHEZ LES PLANTES CULTIVEES. PHYSIOLOGIE DE LA PRODUCTION DES PLANTES CULTIVEES SOUS CHACUN DE CES STRESS. CULTURES A L'ETUDE: HERBAGES, CEREALES, PLANTES ORNEMENTALES, CULTURES FRUITIERES, ESPECES LIGNEUSES.

FRUITLAND

BOND WK : LAND-USE ANALYSIS; STUDY EFFECTS OF FEDERAL GOVERNMENT PROGRAMS ON USE AND MANAGEMENT OF CANADA'S LAND RESOURCE; ANALYSIS OF EXTENT, NATURE, CAUSES AND CONSEQUENCES OF LAND-USE CHANGE ON CANADA'S AGRICULTURAL MARGINS; STUDY OF FRUITLAND CHANGE.

FRUITLANDS

KRUEGER RR : URBANIZATION OF FRUITLANDS (OKANAGAN-VALLEY, BRITISH-COLUMBIA & NIAGARA-FRUIT-BELT). RESPONSE OF QUEBEC ORCHARD-INDUSTRY TO LOW TEMPERATURE HAZARD.

FUEL

BAWEJA AS : WATER-QUALITY GUIDELINES & CRITERIA; RADIOACTIVITY IN WATER; DISPOSAL OF RADIOACTIVE-WASTES, ESPECIALLY URANIUM TAILINGS & REACTOR SPENT FUEL; SOIL-CHEMISTRY & MINERALOGY; TROPICAL SOILS MANAGEMENT.

DUNFORD WE : ENVIRONMENTAL & SAFETY ASSESSMENTS OF NUCLEAR FUEL WASTE-DISPOSAL CONCEPTS.

FARKAS EJ : NATURAL-GAS TRANSMISSION BY PIPELINE, NATURAL-GAS METERING AT HIGH PRESSURE, USE OF NATURAL-GAS AS A MOTOR-VEHICLE FUEL; SOLID, LIQUID, AND NUCLEAR-WASTE MANAGEMENT; AIR AND WATER-POLLUTION, ION-EXCHANGE.

WONG JKS : RECIPROCATING ENGINES. ALTERNATE FUELS FOR EXISTING TYPICAL AUTOMOTIVE ENGINES AND EFFECTS OF PHYSICAL-PROPERTIES OF DIESEL FUEL ON DIESEL ENGINES PERFORMANCE; INVESTIGATION OF EXHAUST EMISSIONS USING THE NEW FUELS.

ZACH R : EFFECTS OF RADIATION ON THE ENVIRONMENT. MOVEMENT OF RADIONUCLIDES IN THE ENVIRONMENT. NUCLEAR FUEL, WASTE-MANAGEMENT, ENVIRONMENTAL-ASSESSMENT. EFFECTS OF RADIATION ON BIRDS. ECOLOGY.

FUELS

FRIEDRICH FD : PILOT SCALE RESEARCH & FULL SCALE DEMONSTRATION ON ATMOSPHERIC FLUIDIZED BED COMBUSTION TO UTILIZE HIGH ASH, HIGH SULPHUR FUELS (COAL, REFINING RESIDUES) FOR INDUSTRIAL STEAM OR THERMAL POWER.

JANKE LCG : DEVELOPMENT OF TECHNOLOGY TO OPTIMIZE THE RECOVERY & UTILIZATION OF CANADIAN FOSSIL FUELS IN AN ENVIRONMENTALLY ACCEPTABLE MANNER. PRODUCTION OF SYNTHETIC FUELS FROM NON CONVENTIONAL SOURCES. INTEGRATION OF SYNTHETIC FUELS INTO THE END-USE SYSTEM SUPPORT. POLICY SUPPORT.

KHAN AW : ANAEROBIC CONVERSION OF CELLULOSIC WASTE OBTAINED FROM FORESTRY, AGRICULTURE, FARM, PAPER AND FOOD INDUSTRY AS WELL AS INDUSTRIAL AND MUNICIPAL SOLID-WASTE, TO FUELS AND CHEMICAL FEED STOCK.

FUELS

LAST AJ : SPECIAL PROCESS ENERGY APPLICATIONS AND RESEARCH SUCH AS HIGH POWER ULTRASOUND, MICROWAVE, ULTRAVIOLET AND INFRA-RED LIGHT; EMULSIONS, EMULSIFICATION PROCESSES AND EMULSIFIERS; ALSO LIQUID FLOW PROCESSING; IRON ORE BENEFICIATION AND DIRECT REDUCTION OF IRON ORE; POWDER METALLURGY; COMBUSTION AND FUELS IN METALLURGICAL PROCESSING; GASIFICATION AND LIQUEFACTION OF COALS AND BOTH FERROUS AND NON-FERROUS PYROMETALLURGY.

LEE GK : COMBUSTION OF LOW-GRADE FUELS IN INDUSTRIAL & UTILITY BOILERS USING LOW POLLUTING TECHNOLOGIES SUCH AS STAGED PULVERIZED COAL BURNERS, FLUIDIZED-BED COMBUSTORS AND COAL & LIQUID MIXTURES.

PROKOPUK R : FOSSIL FUELS FOR HEATING, POWER GENERATION AND PROCESS APPLICATIONS: ENVIRONMENTAL-ASSESSMENT: AIR, WATER AND SOIL POLLUTION FROM STATIONARY AND MOBILE SOURCES; ANALYTICAL LABORATORY TECHNIQUES.

WONG JKS : RECIPROCATING ENGINES, ALTERNATE FUELS FOR EXISTING TYPICAL AUTOMOTIVE ENGINES AND EFFECTS OF PHYSICAL-PROPERTIES OF DIESEL FUEL ON DIESEL ENGINES PERFORMANCE; INVESTIGATION OF EXHAUST EMISSIONS USING THE NEW FUELS.

FUELWOOD

BARKER DJ : PRACTICAL APPLICATIONS OF ECOLOGICAL CLASSIFICATION. SILVICULTURE PLANNING AND IMPLEMENTATION, INCLUDING REFORESTATION, STAND-TENDING AND REHABILITATION. WOOD RELATED INVENTORIES: BIOMASS; SAWN AND PULP PRODUCTS; FUELWOOD. FOREST-MANAGEMENT PLANNING; TIMBER YIELD ANALYSIS BY COMPUTER.

BLAIR N : RESEARCH ASSOCIATE, PROVINCIAL CONSERVATION STRATEGY, NOVA-SCOTIA, INCLUDING PARTICIPATORY ACTION RESEARCH WITH NONGOVERNMENTAL AND GOVERNMENTAL GROUPS, PUBLIC EDUCATION. STUDIES IN FUELWOOD SUPPLY, MARKETING AND DISTRIBUTION IN NOVA-SCOTIA FORESTRY STUDIES: SOCIOLOGICAL, POLICY AND BUSINESS. PROJECT OFFICER IN TRAINING INDONESIANS IN ENVIRONMENTAL SKILLS EG. ENVIRONMENTAL-LAW, ENVIRONMENTAL-IMPACT-ASSESSMENT, ETC.

FUMES

LINKERT WG : CHEMICAL-ANALYSIS OF SOP AIR FOR FUMES, SOLVENTS, & DUST ETC; TURBINE EXHAUST FOR NOX, WASTEWATER AND OIL FOR PCB.

SIROIS LL : ALL ASPECTS RELATED TO MINERAL INDUSTRY PROCESS EFFLUENTS: SLIDS (TAILINGS), LIQUIDS (EG. CYANIDE SOLUTIONS) & GASES (EG. AIRBORNE ARSENICAL FUMES). UNDERSTANDING THE PHENOMENA & DEVELOPING SYSTEMS TO REDUCE ENVIRONMENTAL-IMPACT.

SPINK EF : INVENTORS AND DEVELOPERS OF WATERLOO SCRUBBERS, A LOW ENERGY, LOW WATER-USE, WET-SCRUBBERS CAPABLE OF ULTRA HIGH REMOVAL OF SUB-MICRON PARTICULATE, GASES, ACID-MISTS AND ORGANIC FUMES.

FUMIERS

TRUDEL MJ : LA FACULTE DES SCIENCES DE L' AGRICULTURE ET DE L' ALIMENTATION DE L' UNIVERSITE LAVAL REALISE UNE VINGTAINE DE PROJETS DE RECHERCHE RELIES A L' ENVIRONNEMENT NOTAMMENT SUR LES SUJETS SUIVANTS: TRAITEMENT ET MANUTENTION DES LISIERES ET FUMIERS. EPURATION-DES-EAUX-USEES, CONSERVATION DES SOLS, BILAN HYDRIQUE DES SOLS, PERSISTANCE DES PESTICIDES, ZONAGE BIOCLIMATIQUE.

FUMIGANTS

BOND EJ : USE OF CHEMICALS ESPECIALLY FUMIGANTS FOR THE CONTROL OF PESTS IN STORED PRODUCTS & STORAGE & TRANSPORTATION FACILITIES. ANALYSIS & SIGNIFICANCE OF THE PESTICIDE CHEMICALS IN THE ENVIRONMENT.

FUNGAL

ABRAMSON D : MYCOTOXINS IN STORED CEREALS & OILSEEDS: DEVELOPMENT MYCOLOGY, METHODS OF ANALYSIS; MYCOTOXIN METABOLISM IN LIVESTOCK; FUNGAL ODOUR ANALYSIS; MASS-SPECTROMETRY OF MYCOTOXINS & RELATED METABOLITES.

WHITNEY NJ : MARINE FUNGI: TAXONOMY; METABOLIC PRODUCTS FROM INTERFERENCE COMPETITION; FUNGAL ECOLOGY IN THE MARINE-ENVIRONMENT; ANTIBIOTIC-COMPOUNDS FROM MARINE FUNGI; FUNGAL DISEASES OF FISH. FOREST FUNGI: EPIPHYTIC & ENDOPHYTIC FUNGAL METABOLITES TOXIC TO SPRUCE-BUDWORM. PLANT PATHOLOGY: NEEDLE-CASTS OF CONIFERS.

FUNGI

EDGINGTON LV : TRANSLOCATION & FATE OF FUNGICIDES IN PLANTS & DEGRADATION IN SOIL. EFFICACY OF FUNGICIDES FOR CONTROL OF DISEASE. RELATION OF CHEMICAL STRUCTURE TO SELECTIVITY OF FUNGICIDES FOR CERTAIN TAXONOMIC GROUPS OF FUNGI.

FUNGI

MANKIEWICZ E : MICROBACTERIA: DIAGNOSIS OF INFECTIONS, TREATMENT, CLASSIFICATION OF MICROORGANISMS, PHAGETYPING FUNGI: DEEP MYCOTIC INFECTIONS. SEXUALLY-TRANSMITTED DISEASES: ORGANIZATION OF OUT PATIENT CLINICS, MICROBIOLOGICAL DIAGNOSIS, TREATMENT, PREVENTION (TEACHING).
PARMELEE JA : TAXONOMIC RESEARCH IN PARASITIC FUNGI (RUSTS, SMUTS AND MILDEWS) OF VASCULAR PLANTS. STUDIES INCLUDE REVIEWS ON GEOGRAPHIC DISTRIBUTION AND LIFE-HISTORIES. RELATED WORK INVOLVES CREATION OF THE NATIONAL MYCOLOGICAL HERBARIUM A COLLECTION OF 250,000 DRIED FUNGUS SPECIMENS OF IMPORTANCE TO AGRICULTURE AND FORESTRY.
REYES AA : SOIL MICROBIOLOGY, ESPECIALLY FUNGI CAUSING ROOT ROTS AND WILTS OF VEGETABLES. MY CONCERN IS TO AVOID THE USE OF CHEMICALS FOR THEIR CONTROL. RESEARCH ALSO ON STORAGE PATHOLOGY OF VEGETABLES, E.G. PREVENTION OF SOFT ROTS BY SUPPLYING STORAGE CHAMBERS WITH DIFFERENT COMBINATIONS OF GASES.
ROBERTSON W : DETECTION AND IDENTIFICATION OF INDICATOR AND PATHOGENIC MICROORGANISMS IN FRESH AND MARINE WATERS. FERMENTATION OF CROP AND WOOD WASTES TO PRODUCE RUMINANT FEEDS. UTILIZATION OF MYCORRHIZAL FUNGI TO INCREASE CROP PRODUCTIVITIES.
SCOTT PM : MYCOTOXINS; ANALYTICAL METHODS, EFFECTS OF FOOD-PROCESSING ON MYCOTOXINS & ISOLATION FROM FUNGI. DEOXYNIVALENOL (VOMITOXIN) & OTHER TRICHOTHECENES FROM FUSARIUM SPECIES; MYCOTOXINS FROM FUSARIUM-MONILFORME.
TYRRELL D : BIOCHEMISTRY AND PHYSIOLOGY OF SPORULATION, GROWTH AND GERMINATION OF ENTOMOGENOUS FUNGI, ESPECIALLY OF THE FAMILY ENTO-MOPHTHORALES.
WHITNEY HS : EVALUATION OF ENTOMOPATHOGERIC FUNGI FOR INSECT-CONTROL IN CONIFEROUS FORESTS.
WHITNEY NJ : MARINE FUNGI: TAXONOMY; METABOLIC PRODUCTS FROM INTERFERENCE COMPETITION; FUNGAL ECOLOGY IN THE MARINE-ENVIRONMENT; ANTIBIOTIC-COMPOUNDS FROM MARINE FUNGI; FUNGAL DISEASES OF FISH. FOREST FUNGI: EPIPHYTIC & ENDOPHYTIC FUNGAL METABOLITES TOXIC TO SPRUCE-BUDWORM. PLANT PATHOLOGY: NEEDLE-CASTS OF CONIFERS.
WHITNEY RD : DAMAGE-APPRAISAL, CAUSAL FUNGI SITE RELATIONSHIPS OF ROOT DISEASES OF CONIFEROUS TREES. CANADIAN ECTOMYCORRHIZAE. PATHOGENICITY OF POLYPORUS-TOMENTOSUS. ACID-RAIN: DISEASE RELATIONSHIPS IN CONIFERS.
YOUNG JC : RESEARCH IN THE INCIDENCE, NATURE, CAUSES AND CONSEQUENCES OF MYCOTOXIN RELATED PROBLEMS CAUSED BY FUNGI.

FUNGICIDE

TU CM : INTERACTION BETWEEN PESTICIDES AND SOIL MICROORGANISMS. DEVELOPMENT OF FUNGICIDE RESISTANT RHYZOBIAL BACTERIA. FEASIBILITY OF USING ENTOMOPHTHORA-MUSCAL TO CONTROL DIPTEROUS INSECTS.

FURANNES

PAULIN G : INVENTAIRE DE DOXINES & FURANNES, EFFETS SUR LA SANTE, INVENTAIRE SUR LES COMPOSES-ORGANIQUES-VOLATILS; ETUDES SUR LES HYDROCARBURES-POLYNUCLEAIRES-AROMATIQUES, ETUDES SUR LE BRUIT-COMMUNAUTAIRE, EVOLUTION DE LA QUALITE DE L' AIR AU QUEBEC, EFFET DU CHAUFFAGE-AU-BOIS.

FUSARIUM-MONILFORME

SCOTT PM : MYCOTOXINS; ANALYTICAL METHODS, EFFECTS OF FOOD-PROCESSING ON MYCOTOXINS & ISOLATION FROM FUNGI. DEOXYNIVALENOL (VOMITOXIN) & OTHER TRICHOTHECENES FROM FUSARIUM SPECIES; MYCOTOXINS FROM FUSARIUM-MONILFORME.

GAMMA-RAYS

DUGLE JR : BIOSYSTEMATICS & PLANT ECOLOGY. EFFECTS OF GAMMA-RAYS ON PLANT SPECIES & ASSOCIATIONS WITH EMPHASIS ON TREES & SHRUBS.
JURY JW : INVESTIGATION OF RADON GAS IN NATURAL WATERS. TRACE-ELEMENT ANALYSIS USING PHOTON & NEUTRON ACTIVATION TECHNIQUES. PHOTON SPECTROSCOPY (GAMMA-RAYS). RADIATION IMAGING & MONITORING.

GAS

AFGHAN BK : ANALYTICAL-CHEMISTRY. RESEARCH AND OPERATIONAL EXPERIENCE IN MODERN VOLTAMETRIC AND ELECTROANALYTICAL TECHNIQUES, HIGH SPEED LIQUID CHROMATOGRAPHY, HIGH RESOLUTION GAS CHROMATOGRAPHY, ATOMIC AND MOLECULAR ADSORPTION AND LUMINESCENCE TECHNIQUES.
D'AOUST AL : PRODUCTION, GROWTH AND PHYSIOLOGY OF CONTAINERIZED FOREST TREE SEEDLINGS FOR REFORESTATION. ENVIRONMENTAL CONDITIONS TO FAVOUR ACCELERATED GROWTH AND HARDENING OF MATERIAL. THE STUDY OF GROWTH AND GAS EXCHANGE ANALYSIS, ALSO THE WATER RELATION OF ACCLIMATIZED SEEDLINGS.

GAS

DODD DJR : CONTROL OF GAS, LIQUID, SOLID-EMISSIONS FROM THERMAL & NUCLEAR GENERATING STATIONS IN ONTARIO. FOCUS ON FLY-ASH & ACID-GAS CONTROL SYSTEM WASTE-DISPOSAL LEACHING BEHAVIOUR. ACID-GAS CONTROL TECHNOLOGIES.

DRAPER DW : MANAGEMENT OF SCIENTIFIC INVESTIGATIONS AND POLLUTION-CONTROL TECHNOLOGY EVALUATION PROGRAMS FOR FOSSIL-FUELLED AND NUCLEAR POWER, AND OIL AND GAS PRODUCTION AND PROCESSING. DEVELOPMENT AND CONDUCT OF ENVIRONMENTAL-PROGRAMS FOR NEW ENERGY TECHNOLOGIES.

FINDLAY RL : RESEARCH IN ACID-DEPOSITION & ITS EFFECTS, FOREST & AGRICULTURE RECLAMATION; OIL & SALT WATER SPILL RECLAMATION; IMPACT-ASSESSMENT FOR OIL & GAS DEVELOPMENT; DECOMMISIONING PROGRAMS.

FORRESTAL BJ : REDUCTION, REUSE, RECYCLE, RECOVERY, EXCHANGE OF INDUSTRIAL-WASTES. REPORTS ON FOOD AND METAL FINISHING INDUSTRIES. LANDFILL GAS GENERATION. REGULATION COMPLIANCE CONSULTING AND TESTING. ENVIRONMENTAL SURVEYS. ONTARIO WASTE EXCHANGE OPERATION. NOVEL WASTE-TREATMENT USING PEAT.

GAYNOR JD : PERSISTENCE, DEGRADATION, MOVEMENT & LEACHING OF HERBICIDES. METABOLISM OF HERBICIDES BY PLANTS & ANALYSIS OF HERBICIDE RESIDUES IN CROPS. METHOD DEVELOPMENT FOR HERBICIDE ANALYSIS IN VARIOUS SUBSTRATES. INSTRUMENTAL ANALYSIS USING GAS, LIQUID & THIN LAYER CHROMATOGRAPHY, MASS-SPECTROSCOPY.

JURY JW : INVESTIGATION OF RADON GAS IN NATURAL WATERS. TRACE-ELEMENT ANALYSIS USING PHOTON & NEUTRON ACTIVATION TECHNIQUES. PHOTON SPECTROSCOPY (GAMMA-RAYS). RADIATION IMAGING & MONITORING.

LANE DA : PHOTODECOMPOSITION OF (PAH) DATA-BASE; POLYCYCLIC-AROMATIC-HYDROCARBONS. DESORPTION OF ORGANICS FROM PARTICULATE MATTER; TRACE AND ULTRA-TRACE ANALYSIS OF GAS AND PARTICULATE PHASE TOXIC-COMPOUNDS; MASS-SPECTROMETRY (MS); TRIPLE QUADRUPOLE MS; ATMOSPHERIC PRESSURE CHEMICAL IONIZATION MS; MOBILE MS.

LEVY EM : RESEARCH INTO THE FATE & EFFECTS OF OIL IN & ON MARINE ENVIRONMENT. GEOCHEMICAL STUDIES OF NATURAL SEEPAGE OF OIL & GAS FROM THE SEA BED. MICROBIOLOGICAL & CHEMICAL STUDIES OF OIL DEGRADATION. BACKGROUND LEVELS OF PETROLEUM IN THE MARINE ENVIRONMENT. PAH IN SEDIMENTS.

MAGILL BL : DEVELOPMENT AND IMPLEMENTATION OF AN AIR-QUALITY AND CLIMATOLOGY RESEARCH PROGRAM. RESEARCH WILL BE DIRECTED TOWARDS AIR-QUALITY CONCERNS INVOLVING SOUR GAS FLARING, FUGITIVE AND UNCONTROLLED EMISSIONS FROM INDUSTRIAL SOURCES URBAN AIR-QUALITY AND CLIMATE CHANGE AND VARIABILITY.

MCKENNEY DJ : THE KINETICS OF DENITRIFICATION IN AGRICULTURAL AND FOREST-SOILS ARE MEASURED USING A GAS FLOW SYSTEM. MICROBIAL PRODUCTION AND LOSS OF NO3, NO2, NO, N2O AND N2 CAN BE MEASURED. EFFECTS OF VARIOUS AMENDMENTS TO THESE SOILS ARE EVALUATED.

MUNZ RJ : ELECTROSTATIC-PRECIPITATION. HIGH TEMPERATURE GAS SOLID SEPARATION. THERMAL PLASMA PROCESSING.

PAGEAU Y : ECONOMIE DES RESSOURCES MINERALES NON-RENOUVELABLE DONT LES RESSOURCES ENERGETIQUES (CHARBON, PETROLE, GAS ET URANIUM). ENERGIE VERSUS ENVIRONNEMENT (TOUTE ECONOMIE D'ENERGIE SE SOLDE EN AMELIORATION DE L' ENVIRONNEMENT.) PREOCCUPATION CONCERNANT L' ENERGIE NUCLEAIRE.

PANT BC : PARTICULATE AND GAS FILTRATION SYSTEMS TO ELIMINATE POLLUTANTS SUCH AS CORROSIVE, ODOUROUS AND TOXIC GASES FROM WORK PLACE ENVIRONMENT.

RUEL M : DIRECTOR-GENERAL OF ENVIRONMENTAL PROTECTION BRANCH, ARM OF REGULATORY AGENCY, CANADA OIL AND GAS LANDS ADMINISTRATION. ENSURES ADEQUATE ATTENTION IS BEING PAID TO ENVIRONMENTAL FACTORS REGARDING OIL AND GAS EXPLORATION, DEVELOPMENT AND DIRECT STUDIES TO ACHIEVE THIS GOAL.

SAINTSBURY JA : GAS TURBINE COMBUSTION AND EMISSIONS. RESEARCH AND DEVELOPMENT OF SIMPLE AUTOMOBILE GAS TURBINE COMBUSTORS FOR LOW EMISSIONS. DESIGNING SMALL GAS TURBINE ENGINES FOR LOW NOISE AND CLEAN EXHAUST. ATMOSPHERIC TEST OF A VARIABLE GEOMETRY COMBUSTION FOR LOW EMISSIONS. EMISSIONS RESEARCH ON A SIMPLE VARIABLE GEOMETRY GAS TURBINE COMBUSTOR.

SINGLETON GA : ACID-DEPOSITION: EFFECTS ON FORESTED SYSTEMS; RECLAMATION OF DISTURBANCES FROM SURFACE MINING, OIL-SANDS DEVELOPMENT & OIL & GAS INDUSTRIES; BIOTECHNOLOGY, RESOURCE INVENTORY & TECHNOLOGY-TRANSFER; GEOSCIENCE INVESTIGATIONS. TERRESTRIAL BASED RESEARCH.

TOROSSIAN H : METHOD DEVELOPMENT FOR MEASUREMENT OF ATMOSPHERIC-POLLUTANTS. SOURCE TESTING FOR STACK GAS & PARTICULATE EMISSIONS. DESIGN AND SELECTION OF EQUIPMENT FOR AIR-POLLUTION ABATEMENT. MANAGEMENT OF PCB WASTES.

GAS-CHROMATOGRAPHY

CLEMENT RE : IMPROVED ANALYTICAL METHODS FOR THE QUALITATIVE & QUANTITATIVE ANALYSIS OF AIR, WATER, SOIL, BIOTA & INDUSTRIAL EFFLUENTS USING GAS-CHROMATOGRAPHY MASS-SPECTROMETRY. SPECIAL EMPHASIS ON ULTRA-TRACE ANALYSIS OF CHLORINATED DIBENZO-P-DIOXINS & CHLORINATED DIBENZOFURANS.

ELIAS L : DETECTION OF TRACE-VAPOURS AND GASES IN ATMOSPHERE. MEASUREMENT OF AIRBORNE EXPLOSIVES, NARCOTICS, PESTICIDES AND FLUOROCARBONS BY PRECONCENTRATION GAS-CHROMATOGRAPHY.

FORBES MA : ANALYTICAL CHEMISTRY. EXPERIENCE IN MODERN ANALYTICAL TECHNIQUES SUCH AS GC/MS, HIGH PERFORMANCE LIQUID CHROMATOGRAPHY, HIGH RESOLUTION GAS-CHROMATOGRAPHY, AUTOMATED ANALYSIS, OPERATIONAL LABORATORY MANAGEMENT IN THE FIELD OF WATER-QUALITY.

SLATER GP : DETERMINATION OF VOLATILE ORGANIC-COMPOUNDS (POLLUTANTS OR NATURALLY OCCURRING) IN WATER. DETERMINATION OF VOLATILE PLANT PRODUCTS. ANALYSIS BY GAS-CHROMATOGRAPHY, MASS-SPECTROSCOPY. AGRICULTURE WASTE-TREATMENT.

GASES

BOSSERT JA : EXPLOSIVE ATMOSPHERES CONSISTING OF GASES, VAPOUR AND DUSTS IN AIR; FIRE RESISTANCE OF MATERIALS USED IN CONFINED LOCATIONS (UNDERGROUND MINES), TOXIC EFFECTS OF DIESEL EXHAUST IN CONFINED LOCATIONS & DIESEL EXHAUST TREATMENT DEVICES.
DE SOUZA TLC : MONITORING OF SULPHUR GASES FROM SUCH PROCESSES AS KRAFT PULPING IN THE MANUFACTURE OF PAPER. EXPERTISE IN WET-SCRUBBING OF TOTAL REDUCED SULPHUR GASES IN ORDER TO MEET COMPLIANCE REQUIREMENTS.
ELIAS L : DETECTION OF TRACE-VAPOURS AND GASES IN ATMOSPHERE. MEASUREMENT OF AIRBORNE EXPLOSIVES, NARCOTICS, PESTICIDES AND FLUOROCARBONS BY PRECONCENTRATION GAS-CHROMATOGRAPHY.
PANT BC : PARTICULATE AND GAS FILTRATION SYSTEMS TO ELIMINATE POLLUTANTS SUCH AS CORROSIVE, ODOUROUS AND TOXIC GASES FROM WORK PLACE ENVIRONMENT.
REYES AA : SOIL MICROBIOLOGY, ESPECIALLY FUNGI CAUSING ROOT ROTS AND WILTS OF VEGETABLES. MY CONCERN IS TO AVOID THE USE OF CHEMICALS FOR THEIR CONTROL. RESEARCH ALSO ON STORAGE PATHOLOGY OF VEGETABLES, E.G. PREVENTION OF SOFT ROTS BY SUPPLYING STORAGE CHAMBERS WITH DIFFERENT COMBINATIONS OF GASES.
SCHIFF H : MEASUREMENT OF ATMOSPHERIC GASES. ATMOSPHERIC-CHEMISTRY. OZONE DEPLETION. ACID-DEPOSITION. PHOTOCHEMICAL OXIDANTS & SMOG. GLOBAL CLIMATE INFLUENCED BY ATMOSPHERIC-CHEMISTRY.
SIROIS LL : ALL ASPECTS RELATED TO MINERAL INDUSTRY PROCESS EFFLUENTS: SLIDS (TAILINGS), LIQUIDS (EG. CYANIDE SOLUTIONS) & GASES (EG. AIRBORNE ARSENICAL FUMES). UNDERSTANDING THE PHENOMENA & DEVELOPING SYSTEMS TO REDUCE ENVIRONMENTAL-IMPACT.
SPINK EF : INVENTORS AND DEVELOPERS OF WATERLOO SCRUBBERS, A LOW ENERGY, LOW WATER-USE, WET-SCRUBBERS CAPABLE OF ULTRA HIGH REMOVAL OF SUB-MICRON PARTICULATE, GASES, ACID-MISTS AND ORGANIC FUMES.
TSUCHIYA Y : ANALYSIS OF GASES AND VAPOURS RELEASED FROM BUILDING MATERIALS AT ROOM TEMPERATURE AND UNDER PYROLYSIS CONDITIONS. THE ANALYTICAL TOOLS USED ARE A GC/MS, MS/MS, HPLC AND IC
WAN JKS : DISPOSAL OF CHEMICAL WASTE BY NOVEL MICROWAVE INDUCED CATALYTIC TECHNIQUES: DESTRUCTION OF PCBS. SOME OF OUR WORK HAS BEEN PUBLISHED IN OPEN AND PATENT LITERATURE. CURRENT RESEARCH USING THE MICROWAVE INDUCED CATALYTIC TECHNIQUES INCLUDES THE REMOVAL OF SULPHUR GASES IN INDUSTRIAL ENVIRONMENT.

GASIFICATION

ESPLIN GJ : DEVELOPMENT OF A NEW PROCESS FOR ACID-RAIN NEUTRALIZATION (LABORATORY KINETIC STUDIES). AIR-POLLUTION MONITORING & CONTROL TECHNOLOGIES. TOXIC-WASTE INCINERATION. BIOMASS GASIFICATION. NEW COMBUSTION TECHNOLOGY.
LAST AJ : SPECIAL PROCESS ENERGY APPLICATIONS AND RESEARCH SUCH AS HIGH POWER ULTRASOUND, MICROWAVE, ULTRAVIOLET AND INFRA-RED LIGHT; EMULSIONS, EMULSIFICATION PROCESSES AND EMULSIFIERS; ALSO LIQUID FLOW PROCESSING; IRON ORE BENEFICIATION AND DIRECT REDUCTION OF IRON ORE; POWDER METALLURGY; COMBUSTION AND FUELS IN METALLURGICAL PROCESSING; GASIFICATION AND LIQUEFACTION OF COALS AND BOTH FERROUS AND NON-FERROUS PYROMETALLURGY.

GENETIC

DOUGLAS GR : GENETIC TOXICOLOGY. MUTAGENESIS, GENETIC MONITORING OF HUMAN POPULATION. APPLICATION OF GENETIC TOXICOLOGY DATA IN REGULATION OF CHEMICALS. WORLD HEALTH ORGANIZATION COLLABORATION CENTRE ON ENVIRONMENTAL-MUTAGENESIS.
FORSBERG CW : CELLULOSE & HEMICELLULOSE DIGESTION BY RUMEN BACTERIA; PROTEIN DIGESTION BY RUMEN MICROORGANISMS. ACETONE & BUTANOL PRODUCTION FROM CELLULOSIC & HEMICELLULOSIC MATERIALS BY CLOSTRIDIUM-ACETOBUTYLICUM; GENETIC MANIPULATION OF RUMEN BACTERIA.
ROSS G : HERBICIDE ENVIRONMENTAL-IMPACT-ASSESSMENT. SPRUCE PLANTATION ESTABLISHMENT, GROWTH & YIELD. GENETIC TREE IMPROVEMENT. TREE NURSERIES. SILVICULTURE WORK STUDY, PRODUCTIVITY TRIALS.
SINGH RP : STUDIES ON THE EFFECTS OF ENVIRONMENTAL POLLUTANTS (INSECTICIDES, LEAD, MANGANESE) AND CHEMICALS (PLATINUM, CAFFEINE, LSD ETC.) ON THE GENETIC MATERIAL.
TOMKINS DJ : OCCUPATIONAL AND ENVIRONMENTAL GENETIC TOXICOLOGY DEVELOPMENT OF SEVERAL GENETIC MEASURES INCLUDING CYTOGENETIC AND SINGLE GENE MUTATION; ASSESSMENT OF MEASURES FOR POPULATION MONITORING.
YEATMAN CW : PROJECT LEADER OF TREE GENETICS AND BREEDING RESEARCH IN BOREAL CONIFERS. RESEARCH IN GENECOLOGY AND GENETIC IMPROVEMENT OF PINUS-BANKSIANA. ACTIVIST IN PROMOTING CONSERVATION OF FOREST GENETIC RESOURCES WORLD-WIDE.

GENETICS

AYLES GB : RESEARCH ON GENETICS OF FISH, FISH CULTURE AND AQUACULTURE. EXPERIENCE IN NORTH TEMPERATE CLIMATES AND SOME TROPICAL CLIMATES. MANAGEMENT OF FRESHWATER AND MARINE FISHERIES AND AQUATIC RESEARCH.
BOYLE TJB : POPULATION & QUANTITATIVE GENETICS, BIOCHEMICAL GENETICS, ESPECIALLY APPLIED TO FOREST GENETICS & TREE IMPROVEMENT OPERATIONS OF BOREAL SPECIES.
CLAYTON JW : BIOCHEMICAL GENETICS, POPULATION GENETICS, SYSTEMATICS AND EVOLUTIONARY BIOLOGY OF FISHES AN ARCTIC MARINE MAMMALS.

GENETICS

COOK RH : AQUACULTURE DEVELOPMENT (ATLANTIC SALMON, AMERICAN LOBSTER, SEA SCALLOPS) GROWTH & REPRODUCTIVE PHYSIOLOGY, DISEASE & NUTRITION, DIET FORMULATIONS, METHODS OF DISEASE-PREVENTION, GENETICS. POLLUTION EFFECTS ON FISH: ECOLOGICAL STUDIES, SUBLETHAL BIOLOGICAL EFFECTS, METHODS, DETECTION & ANALYSIS OF TRACE ORGANIC & INORGANIC TOXIC-CHEMICALS.

FAULKNER P : MOLECULAR GENETICS OF INSECT BACULOVIRUSES. PHYSICAL MAPPING OF BACULOVIRUS GENOMES. USE OF THE BACULOVIRUS AS AN EXPRESSION VECTOR OF FOREIGN DNA. MOLECULAR BASIS OF VIRUS VIRULENCE AND HOST RANGE.

GORDON AG : BIOMASS, PRODUCTIVITY, AND NUTRIENT-CYCLING OF SPRUCE FOREST-ECOSYSTEMS; THE GENETICS AND GENECOLOGY AND TREE IMPROVEMENT OF THE SPRUCE GENUS.

MCKENZIE RIH : WHEAT BREEDING. GENETICS. THE DEVELOPMENT OF BETTER AND MORE DISEASE RESISTANT WHEAT FOR THE EASTERN CANADIAN PRAIRIES.

MURRAY G : FOREST GENETICS RESEARCH WITH EMPHASIS ON GENECOLOGY AND BREEDING OF WHITE SPRUCE (PICEA-GLAUCA) AND LARCH (LARIX).

YEATMAN CW : PROJECT LEADER OF TREE GENETICS AND BREEDING RESEARCH IN BOREAL CONIFERS. RESEARCH IN GENECOLOGY AND GENETIC IMPROVEMENT OF PINUS-BANKSIANA. ACTIVIST IN PROMOTING CONSERVATION OF FOREST GENETIC RESOURCES WORLD-WIDE.

GENETIQUE

BOUCHARD R : CARTOGRAPHIE DES PARAMETRES ENVIRONNEMENTAUX DE L' ELEVAGE DU PORC A PARTIR D'UN SYSTEME D' INFORMATION A REFERENCE SPATIALE. CLASSIFICATION GENETIQUE DES CLIMATS DU SAGUENAY, LAC-ST-JEAN. L' AGRICULTURE A SAINTE-CATHERINE DE PORTNEUF: POLLUTANT DES SOURCES D' EAU-POTABLE. LES DEPOTOIRS DE NEIGE USEE DE CHICOUTIMI.

GODBOUT C : RECHERCHES SUR LA FORET ET LES PRODUITS FORESTIERES: ECOSYSTEME FORESTIER (EVOLUTION, DESCRIPTION, REACTION AUX STRESS); REBOISEMENT ET TRAVAUX SYLVICOLES; AMELIORATION GENETIQUE DES ARBRES; TECHNIQUES DE PROTECTION; UTILISATION ET GESTION-DES-FORETS.

HARDY Y : PROTECTION DES FORETS CONTRE LES INSECTES ET LES MALADIES; EPIDEMIOLOGIE ET LES MOUVEMENTS DES POPULATIONS D'INSECTES AINSI QUE L'ETUDE DES CHAMPIGNONS-PATHOGENES. LA CULTURE DE SEMIS EN CONTENEURS, LA SYLVICULTURE DES RESINEUX ET DES FEUILLUES, LA TELEDETECTION, LA GENETIQUE.

GENIE-MUNICIPAL

FOUQUET G : TELEDETECTION DES DECHETS, ECOTOXICOLOGIE. AMENAGEMENT DES TERRITOIRES, ASSAINISSEMENT-EAU ET GENIE-MUNICIPAL.

GEOBOTANICAL-PROSPECTING

BECKETT PJ : MOSS, LICHEN & MACROFUNGI AS BIOMONITORS OF ECOSYSTEM METAL BURDENS; GEOBOTANICAL-PROSPECTING EFFECTS OF METALS ON TERRESTRIAL-ECOSYSTEMS. RESTORATION OF ACID, METAL STRESSED LAND.

CASE JW : AIR-POLLUTION & ACID-PRECIPITATION BIOMONITORING; ENVIRONMENTAL-CONTAMINATION MONITORING PROGRAM DESIGN & IMPLEMENTATION; GEOBOTANICAL-PROSPECTING; MICRO COMPUTER APPLICATIONS FOR DATA COLLECTION, STATISTICAL-ANALYSIS, INFORMATION PRESENTATION & REDUCTION.

GEOCHEMICAL

FORTESCUE JAC : ENVIRONMENTAL GEOCHEMICAL SURVEYS GEOCHEMICAL STUDIES OF ENVIRONMENTAL DECLINE IN WATERS AND FORESTS OF THE CANADIAN SHIELD.

FRITZ P : ENVIRONMENTAL ISOTOPE GEOCHEMISTRY IN RELATION TO WASTE-DISPOSAL, CONTAMINANT STUDIES, HYDROGEOLOGY, QUATERNARY GEOLOGY & PALEONTOLOGY. STABLE ISOTOPE ANALYSES, RADIOCARBON DATING, TRITIUM DETERMINATIONS, GEOCHEMICAL ANALYSES.

LEVY EM : RESEARCH INTO THE FATE & EFFECTS OF OIL IN & ON MARINE ENVIRONMENT. GEOCHEMICAL STUDIES OF NATURAL SEEPAGE OF OIL & GAS FROM THE SEA BED. MICROBIOLOGICAL & CHEMICAL STUDIES OF OIL DEGRADATION. BACKGROUND LEVELS OF PETROLEUM IN THE MARINE ENVIRONMENT. PAH IN SEDIMENTS.

NICHOLSON RV : GEOCHEMICAL MODELLING & GROUNDWATER CONTAMINATION. RESEARCH INCLUDES SULPHIDE MINERAL OXIDATION & ACID GENERATION, CHEMICAL EVOLUTION OF URANIUM MILL-TAILINGS, MODELLING ACID GENERATION, OXYGEN TRANSPORT IN SUBSURFACE (TAILINGS) & EQUILIBRIUM & KINETIC MODELLING OF GEOCHEMICAL PROCESS.

GEOCHEMISTRY

GEOCHEMISTRY

AKSU A E : PALEOCLIMATIC AND OCEANOGRAPHIC EVOLUTION OF THE LABRADOR-SEA AND BAFFIN-BAY DURING THE LAST 25 MA ODP (LEG 105) ARCTIC OCEAN CHRONOSTRATIGRAPHY. SEISMIC STRATIGRAPHY OF SMALL DELTAS IN MICROTIDAL SETTING (AEGEAN-SEA). SEDIMENTOLOGY AND GEOCHEMISTRY OF SALINE AND BITTER LAKES IN ANATOLIA. AMINO-ACID EPIMERIZATION IN FORAMINIFERA. SEDIMENTOLOGY AND SEISMIC STRATIGRAPHY OF FIORDS AND BAYS AROUND NEWFOUNDLAND. SEDIMENTOLOGY OF SHELF BASINS, SLOPE AND RISE TRANSITION.

BEWERS JM : GEOCHEMISTRY OF TRACE-METALS IN THE MARINE ENVIRONMENT. HALOGEN GEOCHEMISTRY. RADIOACTIVITY ANALYSIS. RESEARCH RELATED TO DISPOSAL OF RADIOACTIVE-WASTE IN THE OCEAN INCLUDING ENVIRONMENTAL SURVEILLANCE PROGRAMS.

BOYLE RW : GEOCHEMISTRY: OF PRECIOUS METALS (AU, AG, PT); OF ARSENIC, ANTIMONY AND BISMUTH AND OF NICKEL AND COBALT IN ROCKS, SOIL AND NATURAL-WATERS.

CHOMYN BA : GEOLOGY AND GEOCHEMISTRY OF DEEP ROCK DISPOSAL OF HIGH LEVEL RADIOACTIVE-WASTE; MAGNETIC SUSCEPTIBILITY, MEASUREMENTS RELATIVE TO ROCK COMPOSITION AT DEPTH. PREDICTION OF THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH URANIUM TAILINGS WITH TIME MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK BEING EXTENDED TO OTHER TYPES OF TAILINGS.

FRITZ P : ENVIRONMENTAL ISOTOPE GEOCHEMISTRY IN RELATION TO WASTE-DISPOSAL, CONTAMINANT STUDIES, HYDROGEOLOGY, QUATERNARY GEOLOGY & PALEONTOLOGY. STABLE ISOTOPE ANALYSES, RADIOCARBON DATING, TRITIUM DETERMINATIONS, GEOCHEMICAL ANALYSES.

GLOOSCHENKO W : ECOLOGY OF WETLANDS; PEAT; LONG-RANGE TRANSPORT OF ATMOSPHERIC-POLLUTANTS, TRACE-ELEMENT GEOCHEMISTRY.

KHALIL M : ORGANIC GEOCHEMISTRY OF SURFACE SEDIMENTS. ESTUARINE POLLUTION STUDIES INCLUDING THE CONTAMINATION OF MARINE ORGANISMS BY ORGANOHALOGENATED-COMPOUNDS AND POLYAROMATIC-HYDROCARBONS. TOXICOLOGICAL STUDIES OF INDUSTRIAL POLLUTANTS AND THEIR INTRODUCTION IN THE MARINE FOOD-CHAIN.

KRAMER JR : GEOCHEMISTRY RESEARCH INCLUDING IMPACT OF ACIDIC-PRECIPITATION; METAL SPECIATION AND BIOLOGICAL TOXICITY; AQUEOUS CHEMISTRY OF SHIELD LAKES.

MACKO SA : NITROGEN GEOCHEMISTRY OF MARINE SEDIMENTS AND PETROLEUM; EARLY DIAGENESIS OF ORGANIC MATTER; RESOLUTION OF FOOD-WEBS & ORIGINS OF STROMATOLITES THROUGH STABLE ISOTOPE ANALYSIS; KINETIC-ISOTOPIC FRACTIONATION OF ORGANIC AND INORGANIC SUBSTRATES.

TERASMAE J : QUATERNARY GEOLOGY, PALYNOLOGY, PALEAECOLOGY, GEOCHRONOLOGY (RADIO-CARBON DATING), TREE-RING STUDIES; GEOCHEMISTRY, SEDIMENTOLOGY OF LAKE SEDIMENTS (PALEOLIMNOLOGY) & PEAT DEPOSITS FOR STRATIGRAPHIC-CORRELATION PALEOENVIRONMENTAL ANALYSIS (INCLUDING CLIMATE CHANGE, VEGETATION HISTORY & HUMAN ACTIVITIES).

GEOGRAPHIC

BOYLE AR : AUTOMATED CARTOGRAPHY AND GEOGRAPHIC INFORMATION-SYSTEMS. HARDWARE AND SOFTWARE DESIGN AND FIELD APPLICATION OF SYSTEMS, WITH PARTICULAR EXPERTISE IN APPLICATIONS IN FOREST-MANAGEMENT.

CRAIN IK : GEOGRAPHIC INFORMATION-SYSTEMS AS APPLIED TO RESOURCE-PLANNING AND MODELLING.

FREEMAN MMR : ENVIRONMENT & DEVELOPMENT ISSUES, ESPECIALLY RELATING TO PUBLIC ENVIRONMENTAL POLICY ANALYSIS, CONSERVATION SUSTAINABLE UTILIZATION OF RENEWABLE RESOURCES, TRADITIONAL INDIGENOUS SYSTEMS OF MANAGEMENT & CO-MANAGEMENT SYSTEMS. GEOGRAPHIC FOCUS IS NORTHERN AREAS (CANADA & ALASKA).

GUTHRIE JE : GENERAL AND APPLIED ECOLOGY, WITH SPECIALIST EXPERTISE IN RADIATION ECOLOGY. AREAS OF RESEARCH INCLUDE ENVIRONMENTAL RADIATION MONITORING AND SURVEILLANCE, AND EFFECTS OF CHRONIC EXPOSURE TO RADIATION ON TERRESTRIAL-ECOSYSTEMS. GEOGRAPHIC INFORMATION-SYSTEMS.

MOORE WC : SATELLITE IMAGE & AERIAL-PHOTO INTERPRETATION TECHNIQUES FOR ECONOMIC & OPERATIONAL MAPPING OF SIGNIFICANT DEPLETIONS IN FOREST RESOURCE INVENTORIES FOR GEOGRAPHIC INFORMATION SYSTEM INPUTS IN COLLABORATION WITH OTHER JURISDICTIONS.

NASH PHJ : ALTERNATIVE FUTURE ENVIRONMENTS. ADMINISTRATION & MANAGEMENT OF URBAN & REGIONAL PLANNING. THEORIES & METHODS OF APPLICATION OF GEOGRAPHIC THOUGHT. COMPARATIVE EPISTEMOLOGIES: TYPES, GOALS, CLASSIFICATION, CATEGORIES VIA COUNTRIES & SUBJECT MATTER. POLICY IMPLICATIONS OF AREAL STUDIES.

PARMELEE JA : TAXONOMIC RESEARCH IN PARASITIC FUNGI (RUSTS, SMUTS AND MILDEWS) OF VASCULAR PLANTS. STUDIES INCLUDE REVIEWS ON GEOGRAPHIC DISTRIBUTION AND LIFE-HISTORIES. RELATED WORK INVOLVES CREATION OF THE NATIONAL MYCOLOGICAL HERBARIUM A COLLECTION OF 250,000 DRIED FUNGUS SPECIMENS OF IMPORTANCE TO AGRICULTURE AND FORESTRY.

GEOGRAPHY

MCCUAIG JD : LAND-USE PLANNING: GEOGRAPHY; LAND-USE POLICIES; RURAL & AGRICULTURAL LAND-USE CHANGE ANALYSIS: LAND VALUE CHANGE; FEDERAL PROGRAM IMPACT ON LAND-USE; PLANNING METHODS AND TOOLS; FEDERAL/ PROVINCIAL LIAISON.

GEOLOGICAL

KERR HA : GEOLOGICAL, HYDROGEOLOGICAL & GEOPHYSICAL INVESTIGATIONS FOR PROPER MANAGEMENT OF SOIL & GROUNDWATER RESOURCES.

GEOLOGICAL

LOWRY RT : RADAR REMOTE-SENSING; ICE MANAGEMENT SYSTEMS; ATMOSPHERIC MODELLING; GROUNDWATER MODELLING GEOLOGICAL TESTING, LAND-USE MAPPING; WEATHER MODIFICATION; APPLIED MECHANICS.

GEOLOGY

BIOMAIL OFFICE : FUNDAMENTAL RESEARCH IN ALL FIELDS OF MARINE SCIENCES (PHYSICS, BIOLOGY, CHEMISTRY & GEOLOGY) & FISHERIES. HYDROGRAPHIC SURVEYS; PRODUCTION OF NAVIGATIONAL CHARTS FOR REGIONS FROM GEORGE'S BANK TO THE NORTHWEST PASSAGE IN THE CANADIAN ARCTIC; RESEARCH ON POSITIONING SYSTEMS.

CAMERON BW : COASTAL GEOLOGY. RESEARCH ON THE ORIGIN AND DEVELOPMENT OF BARRIER ISLANDS AND ASSOCIATED BEACH, DUNEFIELD, MARSH AND SPIT SUB-ENVIRONMENTS.

CHOMYN BA : GEOLOGY AND GEOCHEMISTRY OF DEEP ROCK DISPOSAL OF HIGH LEVEL RADIOACTIVE-WASTE; MAGNETIC SUSCEPTIBILITY, MEASUREMENTS RELATIVE TO ROCK COMPOSITION AT DEPTH. PREDICTION OF THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH URANIUM TAILINGS WITH TIME MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK BEING EXTENDED TO OTHER TYPES OF TAILINGS.

LOUIE RH : BIOPHYSICAL SURVEYS (SOILS, SURFICIAL GEOLOGY, VEGETATION, WILDLIFE HABITAT, CLIMATE), LAND USE IN BRITISH-COLUMBIA & APPLICATIONS FOR AGRICULTURE, FORESTRY, WILDLIFE, WATER, FISH & OTHER LAND USE PLANNING, ASSESSMENT AND MONITORING. BASE MAP PRODUCTION (TOPOGRAPHIC, PLANIMETRIC AND CADASTRAL). REMOTE-SENSING.

ROBERTSON JA : POLICY ADVISOR TO MINISTRY OF NORTHERN DEVELOPMENT AND MINES ON MATTERS RELATING TO URANIUM. EXPLORATION, MINING RESERVES/RESOURCES, TAILINGS AND WASTE-DISPOSAL. GEOLOGY OF URANIUM DEPOSITS.

SLY PG : GEOLOGY OF LARGE LAKE SYSTEMS, SEDIMENT WATER INTERACTIONS INCLUDING TOXIC & NUTRIENT CONTAMINANTS, DREDGING & MATERIAL DISPOSAL, SEDIMENT EROSION, DEPOSITION & TRANSPORT. AQUATIC HABITATS & SEDIMENT BIOTA (INVERTEBRATE & FISH) INTERACTIONS.

TERASMAE J : QUATERNARY GEOLOGY, PALYNOLOGY, PALEAECOLOGY, GEOCHRONOLOGY (RADIO-CARBON DATING), TREE-RING STUDIES; GEOCHEMISTRY, SEDIMENTOLOGY OF LAKE SEDIMENTS (PALEOLIMNOLOGY) & PEAT DEPOSITS FOR STRATIGRAPHIC-CORRELATION PALEOENVIRONMENTAL ANALYSIS (INCLUDING CLIMATE CHANGE, VEGETATION HISTORY & HUMAN ACTIVITIES).

WOTTON DL : LEAD: DEPOSITION & ACCUMULATION IN URBAN SOILS, SMELTER EMISSIONS, EXHAUST, PAINT RESIDUES. FOREST: EFFECTS FROM MINING SMELTERS ON VEGETATION & SOIL, NORTHERN BOREAL-FOREST ECOSYSTEMS, CONIFEROUS REGENERATION IMPACTS FROM HEAVY-METAL CONTAMINATED SOILS. SOIL & GEOLOGY SENSITIVITY MAPPING FOR ACID-RAIN. HERBICIDES.

GEOMORPHOLOGY

BURGESS LCN : FLOOD HAZARD EVALUATION THROUGH REMOTE-SENSING. ENVIRONMENTAL-PROTECTION. SUBUNIT'S EXPERTISE ALSO INCLUDES OCEANOGRAPHY, WILDLIFE, FISHERY & MARINE BIOLOGY, HYDROLOGY, GEOMORPHOLOGY, MARINE MAMMALS, ENVIRONMENTAL-ENGINEERING.

MCLELLAN AG : CENTRAL SCOTLAND: URBAN, INDUSTRIAL LAND REHABILITATION. GLACIAL GEOMORPHOLOGY IN SCOTLAND. AGGREGATE RESOURCES & EXTRACTION IN SCOTLAND.

SEGUIN MK : COASTLINE PERMAFROST GEOPHYSICS & GEOMORPHOLOGY. SURFACE GEOMORPHOLOGY. SUBSURFACE & SURFACE GEOPHYSICS ARE USED TO DETERMINE HORIZONTAL & VERTICAL EXTENTS OF DISCONTINUOUS PERMAFROST, PHYSICAL PROPERTIES IN SITU & THE EVOLUTION OF PERMAFROST WITH TIME.

GEOPHYSICAL

CABLE DM : COMPILATION & DISSEMINATION OF GROUNDWATER INFORMATION, INCLUDING DRILLERS' REPORTS, WATER-CHEMISTRY, GEOPHYSICAL LOGS & GROUNDWATER INVESTIGATION REPORTS IN ALBERTA.

KERR HA : GEOLOGICAL, HYDROGEOLOGICAL & GEOPHYSICAL INVESTIGATIONS FOR PROPER MANAGEMENT OF SOIL & GROUNDWATER RESOURCES.

GEOPHYSICS

SEGUIN MK : COASTLINE PERMAFROST GEOPHYSICS & GEOMORPHOLOGY. SURFACE GEOMORPHOLOGY. SUBSURFACE & SURFACE GEOPHYSICS ARE USED TO DETERMINE HORIZONTAL & VERTICAL EXTENTS OF DISCONTINUOUS PERMAFROST, PHYSICAL PROPERTIES IN SITU & THE EVOLUTION OF PERMAFROST WITH TIME.

GEOSCIENCE

SINGLETON GA : ACID-DEPOSITION: EFFECTS ON FORESTED SYSTEMS; RECLAMATION OF DISTURBANCES FROM SURFACE MINING, OIL-SANDS DEVELOPMENT & OIL & GAS INDUSTRIES; BIOTECHNOLOGY, RESOURCE INVENTORY & TECHNOLOGY-TRANSFER; GEOSCIENCE INVESTIGATIONS. TERRESTRIAL BASED RESEARCH.

GEOTHERMAL

HEALE EL : DEVELOPMENT OF WOODY TREES AND SHRUBS ON TAILINGS; TRACE-ELEMENTS (ESPECIALLY NICKEL AND COPPER). EFFECTS ON VEGETATION; EXPERIMENTS UTILIZING WASTE GEOTHERMAL HEAT ENERGY FOR THE PRODUCTION OF GREENHOUSE VEGETABLE AND FORESTRY CROPS; INVESTIGATION, NEGOTIATION AND SETTLEMENT OF CLAIMS FOR VEGETATION DAMAGE.

GESTION-DES-EAUX

BRIERE FM : EPURATION-DES-EAUX-USEES ET POTABLES; CHIMIE DE L' EAU, EPURATION-DES-EAUX-USEES EN MILIEU NORDIQUE; GESTION-DES-EAUX.

GESTION-DES-FORETS

GODBOUT C : RECHERCHES SUR LA FORET ET LES PRODUITS FORESTIERES: ECOSYSTEME FORESTIER (EVOLUTION, DESCRIPTION, REACTION AUX STRESS); REBOISEMENT ET TRAVAUX SYLVICOLES; AMELIORATION GENETIQUE DES ARBRES; TECHNIQUES DE PROTECTION; UTILISATION ET GESTION-DES-FORETS.

GESTION-EAU

FORTIN JP : HYDROLOGIE; HYDROMETEOROLOGIE; PRECIPITATION; PLUIE; NEIGE; RUISSELLEMENT; DEBIT; ECOULEMENT; PHYSIOGRAPHIE; RIVIERE; BASSIN VERSANT; CRUE; INONDATION; TELEDETECTION EAU; SATELLITE EAU; INTEGRATION DES DONNEES; STATISTIQUE HYDROLOGIE; GESTION-EAU; PLANIFICATION-EAU; PREVISION EAU; DECISION EAU; PROTECTION EAU; CONTROLE-EAU; MODELE HYDROLOGIQUE; CEQUEAU MODELE; MODELE DETERMINISTE MAILLE-CARREAU; MODELE D AJUSTEMENT; PREVISION HYDROLOGIQUE; PREVISION ECOULEMENT; PREVISION TEMPS REEL; RESEAU HYDROLOGIQUE; PLUVIOMETRE; RADAR HYDROLOGIE; STATION-PLUVIOMETRIQUE; RESEAU RADAR METEOROLOGIE; PRECIPITATIONS-ACIDES; POLLUANTS-ATMOSPHERIQUES; TRANSPORT-A-LONGUE-DISTANCE; MODELE STATISTIQUE; DIFFUSION UNIDIMENSIONNEL; ANISOTROPIE-SPATIALE.

SASSEVILLE JL : IMPACT-ENVIRONNEMENTAL; ENVIRONNEMENT-AQUATIQUE; EVALUATION-DES-IMPACTS; ENVIRONNEMENT EAU; ECOSYSTEME AQUATIQUE; RESSOURCE EAU; GESTION-EAU; PLANIFICATION-EAU; ADMINISTRATION EAU; DEVELOPPEMENT EAU; DECISION EAU; PREVISION EAU; CONTROLE-EAU; EVALUATION RISQUE-ENVIRONNEMENT; UTILISATION EAU; UTILISATION ENVIRONNEMENT; UTILISATION RESSOURCE EAU; APPROCHE SYSTEMIQUE; METHODOLOGIE EVALUATION; ANALYSE DE SYSTEME.

GILLS

RANDALL DJ : CARBON-DIOXIDE & OXYGEN TRANSFER & ACID-BASE REGULATION IN FISH & AMPHIBIA. INTERACTIONS BETWEEN AMMONIA, CARBON-DIOXIDE & ION MOVEMENT ACROSS FISH GILLS. STUDIES ON FISH & AMPHIBIAN ERYTHROCYTE INTRACELLULAR PH REGULATION.

GLACE

POULIN M : ETUDE TAXONOMIQUE PORTANT SUR LES DIATOMEES (BACILLARIOPHYCEAE) MARINES ET ESTUARIENNES DE L' EST DU CANADA. REVISION TAXONOMIQUE DES DIATOMEES ASSOCIEES AUX GLACE DE MER DE L' ARCTIQUE CANADIEN. ETUDE DU GENRE NAVICULA ET DE SES REPRESENTANTS EN SECTEUR CANADIEN.

GLACIAL

MCLELLAN AG : CENTRAL SCOTLAND: URBAN, INDUSTRIAL LAND REHABILITATION. GLACIAL GEOMORPHOLOGY IN SCOTLAND. AGGREGATE RESOURCES & EXTRACTION IN SCOTLAND.

GLACIERS

ADAMS WP : ASPECT OF HYDROLOGY AND BIOLOGY INVOLVING SNOW AND ICE. STUDIES ON SNOW-COVER, LAKE ICE AND GLACIERS. STUDIES IN ARCTIC, SUBARCTIC AND COLD TEMPERATE REGIONS.

YOUNG GJ : HYDROLOGY OF MOUNTAIN AREAS WITH PARTICULAR EMPHASIS ON GLACIERS AS SOURCES OF STREAMFLOW AND AS INITIATORS OF CATASTROPHIC FLOODS. MASS-BALANCE, MONITORING.

GLACIOLOGY

GARDNER JS : SNOW & ICE HYDROLOGY, GLACIOLOGY & EROSION IN HIGH MOUNTAIN AREAS. NATURAL HAZARDS (FLOODS, AVALANCHES, LANDSLIDES IN MOUNTAIN ENVIRONMENTS.

GLACIOMARINE

GILBERT R : STUDIES OF GLACIOMARINE ENVIRONMENTS IN ARCTIC & ALPINE REGIONS OF CANADA. WORK INCLUDES ANIMAL & SEDIMENT PROCESSES, THE ACTION OF SEA ICE.

GLYPHOSATE

HOLDWAY DA : FISH-TOXICOLOGY: CHRONIC & ACUTE EFFECTS OF PESTICIDES (METHOXYCHLOR, PERMETHRIN), HERBICIDES (GLYPHOSATE), & METALS (VANADIUM) ON SURVIVAL, GROWTH & REPRODUCTION OF FLAGFISH & WHITE SUCKERS; EFFECTS ON BRAIN NEUROTRANSMITTERS & BIOENERGETICS. DEVELOPED TECHNIQUE FOR MEASURING DIMETHYL-SULFIDE AT PARTS PER TRILLION LEVELS IN FRESHWATER.

GOATS

HOEFS ME : POPULATION-DYNAMICS & RANGE USE OF BOVIDS, SPECIFICALLY WILD SHEEP & BISON. HORN GROWTH CHARACTERISTICS OF WILD SHEEP & MOUNTAIN GOATS & THEIR RELEVANCE TO MANAGEMENT.

GOVERNMENT

ATTON FM : LIMNOLOGY: APPLIED ASPECTS AND ENVIRONMENTAL-IMPACT-ASSESSMENT. FISH AND MANAGEMENT OF FISHERIES; IDENTIFICATION OF ARCHAEOLOGICAL FISH FAUNAL MATERIAL. LAKE MANAGEMENT: INFERTILE SUBARCTIC LAKES & EUTROPHIC LAKES. CONSULTANT TO GOVERNMENT, PRIVATE CORPORATIONS.

BOND WK : LAND-USE ANALYSIS; STUDY EFFECTS OF FEDERAL GOVERNMENT PROGRAMS ON USE AND MANAGEMENT OF CANADA'S LAND RESOURCE; ANALYSIS OF EXTENT, NATURE, CAUSES AND CONSEQUENCES OF LAND-USE CHANGE ON CANADA'S AGRICULTURAL MARGINS; STUDY OF FRUITLAND CHANGE.

DOUGLAS VM : MANAGEMENT OF NEW CHEMICALS PROGRAM UNDER WHICH INDUSTRY MUST NOTIFY FEDERAL GOVERNMENT OF AN IMPORT OR MANUFACTURE OF A NEW CHEMICAL: HAZARD ASSESSMENT SPECIALIST PROGRAM DEVELOPMENT, TOXIC POLICY REVIEW & DEVELOPMENT, COORDINATION OF CRITERIA DEVELOPMENT, DEVELOPMENT OF REGULATION.

ENVIRONMENTAL PROGRAMS : ENVIRONMENTAL-PROTECTION ENDEAVOURS TO ENSURE THAT THE FEDERAL GOVERNMENT CARRIES OUT ITS RESPONSIBILITIES FOR PROTECTION OF THE ENVIRONMENT IN A MANNER CONSISTENT WITH NATIONAL POLICY: PREVENTION, REDUCTION OR ELIMINATION OF ADVERSE ENVIRONMENTAL EFFECTS FROM NEW DEVELOPMENTS, RELEASES OF POLLUTANTS, OR THE USE OF HAZARDOUS-CHEMICALS & THE CLEANUP OF HARMFUL SUBSTANCES THAT ARE SPILLED.

FERN GR : MANAGEMENT OF ENVIRONMENTAL RESEARCH. MANAGEMENT OF GOVERNMENT RELATIONS IN ENVIRONMENTAL AFFAIRS. MANAGEMENT OF ENVIRONMENTAL AFFAIRS IN PETROLEUM CHEMICAL INDUSTRY. EXPERTISE IN EMERGENCY RESPONSE, ORGANIZATION OF JOINT INDUSTRY & GOVERNMENT TEAMS.

ISAACS CFW : THE POLLUTION-PROBE FOUNDATION IS COMMITTED TO DEVELOPING AND MAINTAINING AN AWARENESS OF ENVIRONMENTAL ISSUES AT ALL LEVELS OF CANADIAN SOCIETY AND THROUGH RESEARCH AND REASONED DEBATE. ENCOURAGING INDIVIDUALS, CORPORATIONS, COMMUNITIES AND GOVERNMENT TO ADOPT PRAGMATIC SOLUTIONS TO PRESSING ENVIRONMENTAL PROBLEMS FACING OUR COUNTRY.

JOHN RD : RESEARCH PROGRAM TO ASSIST GOVERNMENT & INDUSTRY TO ESTABLISH LONG-TERM CLOSE OUT STRATEGIES FOR URANIUM TAILINGS SITE INCLUDING DEVELOPMENT OF A PROBABILISTIC PREDICTIVE MODEL (UTAP).

KRUSHELNICKI BW : RURAL LAND ECONOMICS. COUNTRYSIDE PLANNING. URBAN & REGIONAL PLANNING ADMINISTRATION. LOCAL GOVERNMENT.

LASENBY DC : LOCAL AND METROPOLITAN GOVERNMENT, ORGANIZATION AND MANAGEMENT. ENVIRONMENTAL-PLANNING. HOUSING. RURAL-PLANNING.

MANITOBA NATURALISTS SOCIETY : FIVE ACTION COMMITTEES MONITOR THE ENVIRONMENT OF MANITOBA IN PARTICULAR, BUT ALSO STUDY NATIONAL AND INTERNATIONAL ISSUES. THEY ARE PARKS, WILDLIFE, URBAN-ENVIRONMENT, HABITAT CONSERVATION AND ENVIRONMENTAL ACTION. VARIOUS POSITION PAPERS AND BRIEFS ARE WRITTEN REGARDING ENVIRONMENTAL ISSUES AND BROUGHT FORWARD TO THE GOVERNMENT AND INDUSTRY RESPONSIBLE. HECLA ISLAND MANAGEMENT PLAN, LOGGING IN ATIKAKI WILDERNESS AREA, CITY OF WINNIPEG RIVERS AND STREAM AUTHORITY, HYDRO ELECTRIC DEVELOPMENT (CONAWAPA) AND STORAGE OF NUCLEAR-WASTE.

MELOCHE PH : FORINTEK CANADA CORP. IS A PRIVATE, NON-PROFIT RESEARCH AND DEVELOPMENT CORPORATION ACTIVELY ENGAGED IN ALL MAJOR SCIENTIFIC AND TECHNICAL DISCIPLINE RELATED TO WOOD PRODUCTS: SAWMILLING; SEASONING; MACHINING; COMPOSITE PRODUCTS; ADHESIVES; WOOD BASED ENERGY AND CHEMICALS; HOUSING MATERIALS SCIENCE; TIMBER ENGINEERING; WOOD PRESERVATION; FIRE RETARDANTS AND THE WOOD SCIENCES. ASSISTANCE AND EXPERT ADVICE ARE AVAILABLE TO FOREST PRODUCTS INDUSTRIES, GOVERNMENT AGENCIES, TRADE ASSOCIATIONS, CONSULTANTS, EQUIPMENT MANUFACTURERS, EDUCATIONAL INSTITUTIONS AND THE GENERAL PUBLIC.

PEARSE PH : SPECIALIST IN THE ECONOMICS OF NATURAL-RESOURCES. WRITING RELATED TO GOVERNMENT POLICY ON MANAGEMENT OF RENEWABLE-RESOURCES (IN PARTICULAR, FORESTS, FISHERIES, & WATER-RESOURCES). CONSULTANT ON NATURAL-RESOURCES POLICY TO FOREIGN & CANADIAN GOVERNMENT. PROFESSOR OF FORESTRY; PROJECT LEADER: FOREST ECONOMICS & POLICY ANALYSIS PROJECT. FORMERLY: COMMISSIONER OF TWO MAJOR ROYAL COMMISSIONS OF INQUIRY ON RESOURCE POLICY (BRITISH-COLUMBIA FOREST RESOURCES & PACIFIC FISHERIES); CHAIRMAN OF PUBLIC INQUIRY ON FEDERAL WATER POLICY.

ROSEHART RG : WATER-POLLUTION CONTROL IN PULP-AND-PAPER AND MINING INDUSTRY. (COLOUR REMOVAL, TOXICITY REDUCTION AND PROCESS CHANGE). PUBLIC CONSULTATION, GOVERNMENT POLICY FORMULATION.

GOVERNMENT

SCHWASS RD : CHAIRMAN, TASK FORCE ON CONSERVATION STRATEGY FOR NORTHERN CANADA; CHAIRMAN, ADVISORY COMMITTEE ON RESOURCE MANAGEMENT, BANFF CENTRE; ADVISOR, TO SEVERAL MINISTERS RESPONSIBLE FOR ENVIRONMENTAL POLICY, GOVERNMENT OF CANADA. MEMBER, INTL. ASSOC. OF UNIV. CONFERENCE ON ENVIRONMENTAL EDUCATION, BUDAPEST, OCT. 1983. CONSULTANT TO I.U.C.N. ON SUSTAINABLE DEVELOPMENT AND CONSERVATION STRATEGY IN PAKISTAN AND TANZANIA 1985-86; CONSULTANT TO THE MINISTRY OF POPULATION AND ENVIRONMENT, GOVERNMENT OF INDONESIA, 1985-86.
STONE RL : DIVISION IS RESPONSIBLE FOR ADMINISTERING THE ENVIRONMENTAL-IMPACT-ASSESSMENT SYSTEM OF THE ALBERTA GOVERNMENT.

GRANTS

ARMIT RE : GRANTS AND CONTRACTS ADMINISTRATION ON CAMPUS. TECHNOLOGY-TRANSFER AGREEMENTS.
MARTIN JM : SUPPORT ENVIRONMENTAL EDUCATION AT ALL LEVELS THROUGH DEVELOPMENT OF PRINT RESOURCES AND THROUGH SERVICES SUCH AS WORKSHOPS, PROGRAMMING ADVICE, GRANTS, RESEARCH & PROGRAM MANAGEMENT AND COORDINATION.
WEIDNER D : PROVINCIAL GRANTS FOR ENVIRONMENTAL RESEARCH.

GRANULAR

CHEE SP : HYDRAULICS OF ICE COVERED RIVERS. EROSION OF GRANULAR MATERIAL.

GRANULATION

GUIOT SR : ANAEROBIC-WASTEWATER-TREATMENT. DEVELOPMENT OF ADVANCED REACTOR CONFIGURATIONS. MODELLING (STEADY STATE & DYNAMIC). EFFECT OF HYDRAULIC AND ORGANIC FACTORS ON THE SLUDGE GRANULATION INDUCTION. DETOXIFICATION (HEAVY METALS).

GRAPE

HOSTETTER G : MICROBIOLOGICAL RESEARCH ON WINE PRODUCTION PROCESSES. RESEARCH ON COMPUTERIZATION OF FERMENTATION CONTROL. WINE GRAPE VARIETY TRIALS. RESEARCH ON USE OF VARIOUS YEASTS FOR SPECIAL FLAVOUR DEVELOPMENT IN WINE.

GRASSES

AIKEN SG : AQUATIC PLANTS IN CANADA (WILD-RICE, ZIZANIA & WATER MILFOIL, MYRIOPHYLLUM) GRASSES, ESPECIALLY FESTUCA, IN NORTH AMERICA. COMPUTER GENERATION OF TAXONOMIC KEYS & DESCRIPTIONS IN FRENCH & ENGLISH. BEGINNING WORK ON THE FLORA OF THE CANADIAN HIGH ARCTIC ISLANDS.
HARMS VL : TAXONOMY AND PHYTOGEOGRAPHY OF THE VASCULAR PLANT FLORA OF SASKATCHEWAN AND ADJACENT REGIONS. PHYTOGEOGRAPHY OF SASKATCHEWAN RARE PLANTS. TAXONOMY OF HETEROTHECA (COMPOSITAE), (SPARGIANACEAE), PETASITES (COMPOSITAE), AND NORTHERN PLAINS GRASSES, (GRAMINEAE) AND ORCHIDS (ORCHIDAICEA).

GRASSLAND

REDMANN RE : PHYSIOLOGICAL PLANT ECOLOGY, GRASSLAND ECOLOGY, POLLUTION EFFECTS ON PLANTS, ESPECIALLY AIRBORNE SALTS AND ACIDITY, DROUGHT STRESS EFFECTS, PLANT WATER RELATIONS, CARBON-DIOXIDE EXCHANGE IN PLANTS.

GREAT-LAKES

DOBSON HFH : ST-LAWRENCE & GREAT-LAKES: WATER-CHEMISTRY, WATER-QUALITY: TREND ANALYSIS AND MAPPING OF DISTRIBUTIONS, ESPECIALLY THE ASPECT OF PHOSPHORUS MANAGEMENT AND ITS RESULTS.
GANNON J E : LIMNOLOGY WITH SPECIAL EMPHASIS ON ZOOPLANKTON ECOLOGY. WATER-RESOURCES MANAGEMENT & ENVIRONMENTAL EDUCATION, SECRETARIAT DUTIES WITH RESPONSIBILITY FOR OVERSEEING US & CANADIAN MONITORING & SURVEILLANCE PROGRAMS ON THE GREAT-LAKES.
GREAT LAKES INSTITUTE : ONLY UNIVERSITY-BASED AGENCY IN CANADA DEVOTED TO GREAT-LAKES STUDIES. SOLVES ENVIRONMENTAL PROBLEM IN THE LAKES' ECOSYSTEM. INCREASES PUBLIC-AWARENESS OF ENVIRONMENTAL ISSUES IN THE GREAT-LAKES BASIN. HAS EXPERTISE OF THIRTY PHYSICAL AND SOCIAL SCIENTISTS.
INSTITUTE FOR ENVIRONMENTAL STUDIE : ENVIRONMENTAL-MANAGEMENT INCLUDING ENVIRONMENTAL PERCEPTION, GREAT-LAKES ECOSYSTEMS REHABILITATION, CLIMATE IMPACT-ASSESSMENT IMPACT OF THIRD-WORLD URBANIZATION, RISK-ASSESSMENT, IMPACTS OF ACID-RAIN AND METALS ON BIOLOGICAL SYSTEMS, MODELLING PATHWAYS OF TOXIC SUBSTANCES, ENVIRONMENTAL-TOXICOLOGY.
SANDERSON ME : CLIMATOLOGY OF THE GREAT-LAKES BASIN. WATER BALANCE OF GREAT-LAKES. PRECIPITATION: QUANTITY AND QUALITY. (PRECIPITATION CHEMISTRY).

GREAT-LAKES

SANDILANDS RW : FIELD SURVEYS: OPERATIONS IN BRITISH-COLUMBIA COAST, WESTERN ARCTIC. MARITIME HISTORY: BRITISH-COLUMBIA, WESTERN ARCTIC & GREAT-LAKES. TOPONOMY IN COASTAL BRITISH-COLUMBIA. NATURAL-RESOURCE CHARTING; SURVEY POSITIONING; OFFSHORE MINERAL RESOURCE DEVELOPMENT.
VALLENTYNE JR : BIOSPHERE; ENVIRONMENTAL EDUCATION (YOUTH); LIMNOLOGY; SCIENCE POLICY; SCIENCE & SOCIETY INTERACTION; GREAT-LAKES RESEARCH ADVISOR.
WATSON AEP : WATER AND ECOSYSTEM QUALITY, DEVELOPMENT OF OBJECTIVES FOR ECOSYSTEM QUALITY FOR IJC GREAT-LAKES SCIENCE ADVISORY BOARD (SAB) HUMAN HEALTH EFFECTS OF GREAT-LAKES WATER-QUALITY EVALUATION OF HEALTH HAZARDS FROM CHEMICAL AND MICROBIOLOGICAL CONTAMINANTS IN THE GREAT-LAKES AND THE DEVELOPMENT OF THE DESIGN OF EPIDEMIOLOGICAL-STUDIES FOR THE (SAB) AND THE GREAT-LAKES WATER QUALITY BOARD. SAB GREAT-LAKES RESEARCH REVIEW PARTICIPATION.
WESELOH DV : LEVELS OF TOXIC-CHEMICALS, DISTRIBUTION AND POPULATION LEVELS OF COLONIAL WATERBIRDS ON THE GREAT-LAKES.
YOUNG JWS : LRTAP, TOXIC-CHEMICALS, ENERGY, NORTH, GREAT-LAKES WATER-QUALITY, AIR-QUALITY, CLIMATE CHANGE, OXIDANTS. MAIN FOCUS IS THE ATMOSPHERIC PATHWAY PORTION OF THESE AREAS.

GREENHOUSE

HEALE EL : DEVELOPMENT OF WOODY TREES AND SHRUBS ON TAILINGS; TRACE-ELEMENTS (ESPECIALLY NICKEL AND COPPER). EFFECTS ON VEGETATION; EXPERIMENTS UTILIZING WASTE GEOTHERMAL HEAT ENERGY FOR THE PRODUCTION OF GREENHOUSE VEGETABLE AND FORESTRY CROPS; INVESTIGATION, NEGOTIATION AND SETTLEMENT OF CLAIMS FOR VEGETATION DAMAGE.
STALEY LM : SOLAR ENERGY. GREENHOUSE. SOLAR STORAGE ENERGY-CONSERVATION.

GROUND-TRUTHING

SENYK JP : ECOSYSTEM IDENTIFICATION AND CHARACTERIZATION THROUGH REMOTE-SENSING AND GROUND-TRUTHING. EXPERTISE IN TERRAIN, SOIL CLASSIFICATION WITHIN AN ECOLOGICAL FRAMEWORK CONCENTRATING ON TEMPERATE COASTAL, CONTINENTAL AND SUBARCTIC ENVIRONMENTS.

GROUNDFISH

SCOTT JS : GROUNDFISH SURVEYS OF SCOTIAN SHELF. ABUNDANCE, DISTRIBUTION & ECOLOGY OF GROUNDFISH. PARASITES & DISEASES OF MARINE FISH. PARASITE-ECOLOGY.

GROUNDWATER

CABLE DM : COMPILATION & DISSEMINATION OF GROUNDWATER INFORMATION, INCLUDING DRILLERS' REPORTS, WATER-CHEMISTRY, GEOPHYSICAL LOGS & GROUNDWATER INVESTIGATION REPORTS IN ALBERTA.
CAMPBELL PG : TRACE-METAL BIOGEOCHEMISTRY. ACID-PRECIPITATION. SOURCE POLLUTION; EVOLUTION POLLUTION; POLLUTION TRANSPORT; GROUNDWATER CONTAMINATION BY PESTICIDES.
CEROICI WJ : EVALUATING GROUNDWATER CONTAMINATION FROM WASTE-DISPOSAL FACILITIES & INDUSTRIAL PLANTS. DESIGN OF GROUNDWATER MONITORING SYSTEMS, COLLECTION & INTERPRETATION OF MONITORING DATA.
CHANDLER RL : GROUNDWATER CONTAMINATION FROM UNDERGROUND PETROLEUM STORAGE TANKS & INDUSTRIAL SOURCES. SITING & DESIGN OF MUNICIPAL OR INDUSTRIAL WASTEWATER STORAGE-PONDS.
CORNETT RJJ : TRANSPORT OF TRACE-ELEMENTS THROUGH AQUATIC SYSTEMS. BIOACCUMULATION OF RADIONUCLIDES MODELLING OXYGEN CONCENTRATIONS IN LAKES. ROLE OF GROUNDWATER INPUTS IN DETERMINING STREAM WATER CHEMISTRY.
FUJIKAWA J : CHARACTERIZATION & ASSESSMENT OF THE BIOTRANSFORMATIONAL POTENTIAL OF BACTERIA IN SUBSOIL & GROUNDWATER ENVIRONMENT.
GALE JE : GROUNDWATER FLOW SYSTEMS IN FRACTURED AND FRACTURED POROUS MEDIA BASED ON FIELD AND NUMERICAL MODELLING STUDIES. PROJECTS INCLUDE (A) DEWATERING IN FRACTURED ROCK MASSES; (B) HYDROGEOLOGY OF FRACTURED ROCKS AS APPLIED TO MINERAL EXPLORATION AND TOXIC-WASTE DISPOSAL; (C) MEASURED VERSUS COMPUTED FRACTURE POROSITY, AND (D) CHARACTERIZING THE GEOMETRY AND MECHANICAL PROPERTIES OF FRACTURE SYSTEMS.
GARRATT DG : RESEARCH RELATED TO WATER-QUALITY, IMPURITY TRANSPORT IN SURFACE AND GROUNDWATER, URANIUM MINE-MILL DECOMMISSIONING AND RECLAMATION.
HUGHES GM : GROUNDWATER CONTAMINATION AND WASTE-DISPOSAL.
KERR HA : GEOLOGICAL, HYDROGEOLOGICAL & GEOPHYSICAL INVESTIGATIONS FOR PROPER MANAGEMENT OF SOIL & GROUNDWATER RESOURCES.
KILLEY RWD : PHYSICAL & CHEMICAL CONTROLS ON CONTAMINANT TRANSPORT IN GROUNDWATER FLOW SYSTEMS, INCLUDING PREDICTIVE MODELLING.
KOBYLNYK R : SURVEYS OF PESTICIDE RESIDUES IN AREAS WHERE SURFACE & GROUNDWATER CONTAMINATION MAY OCCUR.
LAWRENCE GR : RESOURCE EXPLORATION AND PRODUCTION SUPPORT, GROUNDWATER AND WASTE-SITE EVALUATION, WEATHER MODIFICATION AND METEOROLOGICAL SERVICES, REMOTE-SENSING AND BIOPHYSICAL STUDIES. PETROLEUM ENGINEERING, HYDROGEOLOGICAL, ATMOSPHERIC AND BIOPHYSICAL ASSESSMENTS.

GROUNDWATER

LEE DR : GROUNDWATER CONTAMINANT FLUX TO SURFACE-WATERS. IDENTIFICATION OF GROUNDWATER DISCHARGE ZONES. STUDIES OF RADIONUCLIDE MIGRATION IN POROUS MEDIA TOXICITY OF METALS AND SYNTHETIC ORGANICS TO AQUATIC LIFE.
LORBERG EF : ANALYSIS OF PROPOSED SCHEMES FOR DISPOSAL OF LIQUID-WASTE INTO DEEP FORMATIONS, WESTERN SEDIMENTARY BASIN WITH RESPECT TO CONSERVATION OF NATURAL-RESOURCES, MAINLY GROUNDWATER AND PROTECTION OF THE ENVIRONMENT.
LOWRY RT : RADAR REMOTE-SENSING; ICE MANAGEMENT SYSTEMS; ATMOSPHERIC MODELLING; GROUNDWATER MODELLING GEOLOGICAL TESTING, LAND-USE MAPPING; WEATHER MODIFICATION; APPLIED MECHANICS.
NICHOLSON RV : GEOCHEMICAL MODELLING & GROUNDWATER CONTAMINATION. RESEARCH INCLUDES SULPHIDE MINERAL OXIDATION & ACID GENERATION, CHEMICAL EVOLUTION OF URANIUM MILL-TAILINGS, MODELLING ACID GENERATION, OXYGEN TRANSPORT IN SUBSURFACE (TAILINGS) & EQUILIBRIUM & KINETIC MODELLING OF GEOCHEMICAL PROCESS.
PUPP C : ENVIRONMENTAL ANALYTICAL-CHEMISTRY. AIR-MONITORING. REVIEW & SYNOPSIS OF GROUNDWATER CONTAMINATION & USE; AIR OXIDANTS AND AIR OXIDANTS AND TOXICS.
TOKARSKY O : EVALUATION OF REGIONAL AQUIFERS IN ALBERTA, BY MAPS & CROSS SECTIONS USING EXISTING WELL & TESTHOLE DATA. DETERMINATION OF BASE OF GROUNDWATER PROTECTION, FRESHWATER, SALINE WATER BOUNDARY.
VANDENBERG A : MODELLING OF SATURATED & UNSATURATED GROUNDWATER FLOW; STUDY OF IMPACT OF AGRICULTURAL DRAINAGE ON THE RIVER HYDROGRAPH.
WHITELEY HR : IMPACT OF AGRICULTURAL USE OF LAND, INCLUDING DRAINAGE ON QUALITY & QUANTITY OF STREAMFLOW & GROUNDWATER. WATERSHED MONITORING OF SNOWMELT INCLUDING ACID SHOCK EFFECTS.

GROWTH

ADDISON PA : RESEARCH IN ENVIRONMENTAL FORESTRY RELATED PRIMARILY TO THE EFFECTS OF ATMOSPHERIC-POLLUTION ON FOREST ECOSYSTEMS. THIS INCLUDES GROWTH & YIELD STUDIES, BIOMONITORING USING BOTH CRYPTOGAMS & HIGHER PLANTS & SOIL BIOLOGICAL & CHEMICAL RESPONSE MEASUREMENTS.
AHMAD I : METHODS DEVELOPMENT & TRACE RESIDUE ANALYSIS OF PESTICIDES (HERBICIDES, INSECTICIDES, PLANT GROWTH REGULATORS), METABOLITES, PCBS, ORGANICS IN ENVIRONMENTAL & AGRICULTURAL MATRICES. ORGANIC SYNTHESIS. REACTIONS IN ORGANIC-CHEMISTRY.
ALEMDAG IS : FOREST-MENSURATION (GROWTH AND YIELD) AND FOREST-MANAGEMENT: SITE INDEXES. VOLUME AND YIELD-TABLES. GROWTH-ESTIMATES AND MANAGEMENT TECHNIQUES. METHODS OF ESTIMATING BIOMASS OF TREES AND STANDS.
ANDERSON HW : BIOMASS PRODUCTIVITY AND CLONAL PROPERTIES OF HYBRID POPLAR, WILLOW AND ALDER. GROWTH, QUALITY AND REGENERATION OF HIGH VALUE. HARDWOODS: SUGAR-MAPLE OR YELLOW BIRCH.
ARCHIBALD FS : MICROBIAL ACQUISITION AND METABOLISM OF METALS. FERMENTATION, GROWTH, AND OXYGEN SENSITIVITY OF MICROORGANISMS.
BRIX H : PHYSIOLOGY AND GROWTH OF TREES AND FOREST STANDS IN RELATION TO ENVIRONMENTAL CONDITIONS AND TREATMENT SUCH AS FERTILIZATION AND THINNING.
CASE AB : SCIENTIFIC LEADERSHIP & MANAGERIAL RESPONSIBILITY FOR RESEARCH AND DEVELOPMENT ACTIVITIES IN FOREST RESOURCES & ENVIRONMENTAL RESEARCH. FOREST ECOLOGY, TREE & FOREST-STAND IMPROVEMENT, REFORESTATION, GROWTH & YIELD STUDIES, ENVIRONMENTAL PROBLEMS RELATED TO FOREST-MANAGEMENT.
COOK RH : AQUACULTURE DEVELOPMENT (ATLANTIC SALMON, AMERICAN LOBSTER, SEA SCALLOPS) GROWTH & REPRODUCTIVE PHYSIOLOGY, DISEASE & NUTRITION, DIET FORMULATIONS, METHODS OF DISEASE-PREVENTION, GENETICS. POLLUTION EFFECTS ON FISH: ECOLOGICAL STUDIES, SUBLETHAL BIOLOGICAL EFFECTS, METHODS, DETECTION & ANALYSIS OF TRACE ORGANIC & INORGANIC TOXIC-CHEMICALS.
D'AOUST AL : PRODUCTION, GROWTH AND PHYSIOLOGY OF CONTAINERIZED FOREST TREE SEEDLINGS FOR REFORESTATION. ENVIRONMENTAL CONDITIONS TO FAVOUR ACCELERATED GROWTH AND HARDENING OF MATERIAL. THE STUDY OF GROWTH AND GAS EXCHANGE ANALYSIS, ALSO THE WATER RELATION OF ACCLIMATIZED SEEDLINGS.
DERMOTT RM : ENVIRONMENTAL-ASSESSMENT OF LAKE & STREAM INVERTEBRATE POPULATIONS. TAXONOMY OF LAKE BENTHIC INVERTEBRATES. FEEDING & GROWTH RATES.
DONALDSON EM : SALMONID CULTURE ESPECIALLY CONTROLLED REPRODUCTION, STRESS RESPONSES GROWTH CONTROL, AND CHROMOSOME SET MANIPULATION.
GANCZARCZYK JJ : APPLICATION OF ACTIVATED SLUDGE PROCESS FOR TREATMENT OF SEWAGE & INDUSTRIAL-EFFLUENTS, INHIBITION OF NITRIFICATION, PHYSICAL BEHAVIOUR OF BIOLOGICAL FLOCS, ROLE OF SOLID SURFACE IN SUSPENDED GROWTH TREATMENT, ESTIMATION OF BIOMASS PRODUCTION & HAZARDOUS WASTE-TREATMENT & DISPOSAL.
GEHR R : WATER & WASTEWATER-TREATMENT, SPECIFICALLY POLYELECTROLYTE USAGE, CHARACTERIZATION & INTERACTIONS; PHOSPHORUS REMOVAL; STATISTICAL-ANALYSIS OF BIODEGRADATION & RIVER QUALITY DATA; ATTACHED VS SUSPENDED GROWTH PROCESSES.
HOEFS ME : POPULATION-DYNAMICS & RANGE USE OF BOVIDS, SPECIFICALLY WILD SHEEP & BISON. HORN GROWTH CHARACTERISTICS OF WILD SHEEP & MOUNTAIN GOATS & THEIR RELEVANCE TO MANAGEMENT.
HOFSTRA G : EFFECTS OF ENVIRONMENTAL STRESS ON CROP PLANTS. SALT STRESS IN BEDDING PLANTS. GROWTH REGULATORS & STRESS ALLEVIATION. TREE PHYSIOLOGY.
HOLDWAY DA : FISH-TOXICOLOGY: CHRONIC & ACUTE EFFECTS OF PESTICIDES (METHOXYCHLOR, PERMETHRIN), HERBICIDES (GLYPHOSATE), & METALS (VANADIUM) ON SURVIVAL, GROWTH & REPRODUCTION OF FLAGFISH & WHITE SUCKERS; EFFECTS ON BRAIN NEUROTRANSMITTERS & BIOENERGETICS. DEVELOPED TECHNIQUE FOR MEASURING DIMETHYL-SULFIDE AT PARTS PER TRILLION LEVELS IN FRESHWATER.

GROWTH

KEITH CT : SPECIES IDENTIFICATION OF WOOD BY ANATOMICAL STRUCTURE FOR SCIENTIFIC, FORENSIC, OR ARCHAEOLOGICAL PURPOSES. RELATION OF WOOD ANATOMY TO PROPERTIES AND UTILIZATION CHARACTERISTICS OF WOOD. WOOD QUALITY, GROWTH RELATIONS.
KWAIN W : THE EFFECTS OF ENVIRONMENTAL FACTORS ON THE SURVIVAL OF FISHES. INCUBATION AND GROWTH, SUCH AS TEMPERATURE, ACID AND HEAVY-METALS, ESPECIALLY TO THEIR EARLY LIFE-HISTORY.
LECHOWICZ MJ : ECOLOGY OF PLANT PRODUCTIVITY. CONTROLS ON PLANT GROWTH AND REPRODUCTION, ESPECIALLY FOR ANNUAL WEEDS LIKE XANTHIUM-STRUMARIUM. NATURAL TREE DEFENSES AGAINST LEAF-FEEDING CATERPILLARS. CLIMATIC CONTROL OF LICHEN PRODUCTIVITY. ACID-RAIN EFFECTS ON LICHEN PRODUCTIVITY.
LEDUC G : AQUATIC TOXICOLOGY. ACUTE AND LONG-TERM TOXICITY OF CYANIDE TO FISH. GROWTH, SWIMMING, OSMOREGULATION, ETC. EFFECTS OF MODIFYING FACTORS OF TOXICITY: TEMPERATURE, SIZE OF FISH, CURRENT OF WATER, ETC. MODE OF ACTION AND DETOXIFICATION OF CYANIDE. BIOACCUMULATION OF THIOCYANIDE. EFFECTS ON THYROID-GLAND AND RELATED FUNCTIONS.
MACKAY WC : ENVIRONMENTAL PHYSIOLOGY OF FISH PARTICULARLY ENERGETICS (SWIMMING, GROWTH, REPRODUCTION) OF TEMPERATE FRESHWATER FISH. FACTORS WHICH AFFECT GROWTH RATE INCLUDING LATITUDE, TEMPERATURE, COMPETITION. REPRODUCTIVE STRATEGIES.
MESSIEH S : CONDUCT RESEARCH ON ATLANTIC HERRING FISHERIES & POPULATION-DYNAMICS TO PROVIDE BIOLOGICAL ADVICE ON THEIR MANAGEMENT. STUDY & EFFECT OF ENVIRONMENTAL FACTORS GROWTH, MORTALITY & RECRUITMENT.
MORRISON IK : RESEARCH INTO EFFECTS OF ACID-RAIN ON FOREST BIOGEOCHEMISTRY, ESPECIALLY EFFECTS ON FOREST PRODUCTIVITY; RESEARCH INTO SOIL CHEMICAL CHANGES EFFECTED BY ACID-RAIN ARTIFICIALLY SUPPLIED; EFFECTS OF TOXIC HEAVY-METALS ON VEGETATION GROWTH.
OZBURN GW : MULTIPLE ORGANIC TOXICITY, BIOACCUMULATION, BIOCONCENTRATION EFFECT ON GROWTH, ETC. USING FLAGFISH AND BROOK-TROUT. CHLORINATED-BENZENES AND CHLORINATED-PHENOLS, ETHYLENES & ETHANES AS CONTAMINANTS.
POLLOCK WS : FOREST RESEARCH AND MANAGEMENT SPECIALIZING IN PRIVATE LAND. POLICY, SILVICULTURE, REFORESTATION, REVEGETATION, FOREST INVENTORY. GROWTH STUDIES.
RETNAKARAN A : INSECT PHYSIOLOGY: GROWTH & DEVELOPMENT (INSECT HORMONES & INSECT GROWTH REGULATORS). DEVELOPMENT OF HORMONE ANALOGS, MOULT INHIBITORS & CHITIN SYNTHESIS INHIBITORS AS CONTROL AGENTS FOR FOREST-INSECT PESTS. STUDY OF CHITIN SYNTHESIS & BIOCHEMISTRY OF THE SYNTAETIC STEPS. ELECTRON MICROSCOPY, AUTORADIOGRAPHY & CELLULAR LOCALIZATION OF THE CHITIN SYNTHESIS PROCESS.
RICHARDSON J : SCIENTIFIC ADVICE IN CANADIAN FORESTRY SERVICE RESEARCH IN THE FIELD OF FOREST PRODUCTIVITY, INCLUDING FOREST INVENTORY, GROWTH & YIELD, REMOTE-SENSING, THINNING, FERTILIZATION, MODELLING & IN FOREST BIOMASS PRODUCTION.
ROSS G : HERBICIDE ENVIRONMENTAL-IMPACT-ASSESSMENT. SPRUCE PLANTATION ESTABLISHMENT, GROWTH & YIELD. GENETIC TREE IMPROVEMENT. TREE NURSERIES. SILVICULTURE WORK STUDY, PRODUCTIVITY TRIALS.
SCHNITZER M : CHEMISTRY & REACTIONS OF HUMIC-SUBSTANCES IN SOILS. CHEMICAL COMPOSITION & STRUCTURE OF NITROGEN COMPOUNDS IN SOILS & THEIR EFFECTS ON PLANT GROWTH & ON THE ENVIRONMENT.
TODD ECD : FOOD BORNE DISEASE REPORTING & INVESTIGATION, COSTS OF FOOD BORNE DISEASE; SIGNIFICANCE OF TEMPERATURE FOR MICROBIAL GROWTH. PUBLIC HEALTH ASPECTS OF POULTRY PROCESSING, BARBECUED CHICKENS, CHEESE, CREAM PIES AND DONAIRS.
TYRRELL D : BIOCHEMISTRY AND PHYSIOLOGY OF SPORULATION, GROWTH AND GERMINATION OF ENTOMOGENOUS FUNGI, ESPECIALLY OF THE FAMILY ENTO-MOPHTHORALES.

GUIDELINES

BAWEJA AS : WATER-QUALITY GUIDELINES & CRITERIA; RADIOACTIVITY IN WATER; DISPOSAL OF RADIOACTIVE-WASTES, ESPECIALLY URANIUM TAILINGS & REACTOR SPENT FUEL; SOIL-CHEMISTRY & MINERALOGY; TROPICAL SOILS MANAGEMENT.
BROUGHTON E : WILDLIFE STUDIES: HEALTH STATUS OF POPULATIONS AND INVESTIGATION OF DISEASE OUTBREAKS. CHEMICAL RESTRAINT OF WILDLIFE. DEVELOPMENT OF GUIDELINES FOR TRANSPORTATION OF WILDLIFE. ASSESSMENT OF FACILITIES.
EBERHARD JJ : CANOEIST'S MANUAL FOR PROMOTION OF ENVIRONMENTAL & ETHICAL CONCERNS IS GEARED TOWARDS DEVELOPING GUIDELINES FOR: MINIMAL IMPACT CAMPING, CONTACT WITH ANIMALS AND OTHER USER GROUPS; TEACHING MINIMAL IMPACT CAMPING STOVES VS FIRES & SUGGESTIONS FOR POLITICAL ADVOCACY WHILE CANOEING.
NIEMELA UE : WATER-QUALITY MONITORING & ANALYSIS, ANALYSIS OF WATER, SEDIMENTS & BIOTA. WATER-QUALITY ASSESSMENT & INTERPRETATION. WATER-QUALITY OBJECTIVES & GUIDELINES DEVELOPMENT. WATER-POLLUTION CONTROL. TOXIC-CHEMICALS MANAGEMENT.
ODA A : PREPARE GUIDELINES FOR TREATMENT & DISPOSAL OF SOLID ORGANIC-WASTES ON AGRICULTURAL LANDS. DEVELOP EXPERTISE ON WASTE-MANAGEMENT TECHNIQUES RELATED TO PHYSICAL & CHEMICAL TREATMENT, SOLIDIFICATION, MEMBRANE SEPARATION ETC. INVESTIGATE METHODS FOR THE MANAGEMENT OF LEACHATE FROM MUNICIPAL LANDFILL SITES.
SAFRANYIK L : CONDUCT STUDIES OF THE MANAGEMENT & POPULATION-DYNAMICS OF DESTRUCTIVE BARK BEETLES IN CONIFEROUS FORESTS. DEVELOP TECHNIQUES & MANAGEMENT GUIDELINES FOR PREVENTING & REDUCING LOSSES FROM DESTRUCTIVE BARK BEETLES.
SUDOM MD : SOIL SURVEY & LAND-USE STUDIES. ENVIRONMENTAL GUIDELINES FOR LIVESTOCK OPERATIONS. LAND-USE MONITORING.

GUIDELINES

TAYLOR MC : FORMULATING GUIDELINES RE WATER-QUALITY OBJECTIVE FOR INLAND WATERS FOR: AQUATIC AND WILDLIFE; RAW PUBLIC WATER-SUPPLIES; AGRICULTURE-IRRIGATION; LIVESTOCK WATERING; RECREATION; INDUSTRY.
TOFT P : CONTAMINANTS IN DRINKING-WATER. CONTAMINANTS IN INDOOR-AIR. HAZARD EVALUATION. ASBESTOS. GUIDELINES FOR HUMAN EXPOSURE.

GYMNOSPERM

WEINBERGER P : ECOPHYSIOLOGY AND TOXICOLOGY WITH SPECIAL REFERENCE TO SOILS, SOIL MICROORGANISMS, WATER (FRESH AND ESTUARINE) AQUATIC MICRO AND MACROPHYTES AND SOME TREES INDIGENOUS TO CANADA. FATE TRANSPORT, UPTAKE, EFFECTS ON PHYSIOLOGY AND DEVELOPMENT OF N2-FIXING CYANOBACTERIA, ALGAE, AQUATIC MACROPHYTES AND SOME GYMNOSPERM AND ANGIOSPERM TREE SEEDS.

HABITAT

DESGRANGES JL : ETUDES ECOLOGIQUES SUR LA PLUPART DES GROUPES D' OISEAUX DU CANADA. STRUCTURE DES COMMUNAUTES. SELECTION DE L' HABITAT. EFFETS DES PLUIES-ACIDES SUR LES OISEAUX LACUSTRES ET FORESTIERS.
EASTMAN DS : HABITAT RELATIONSHIPS OF WILDLIFE & THE IMPACT OF FORESTRY & OTHER RESOURCE USE ACTIVITIES ON THEM. POPULATION RELATED ASPECTS OF WILDLIFE SUCH AS PREDATION, DISEASE & COMPETITION.
GREEN JE : ENVIRONMENTAL CONSULTING FIRM SPECIALIZING IN APPLIED RESEARCH INVOLVING WILDLIFE POPULATIONS AND WILDLIFE HABITAT. AREAS OF EXPERTISE INCLUDE VEGETATION AND HABITAT ASSESSMENTS, HABITAT EVALUATION MODELLING, BIOLOGICAL MONITORING, BEHAVIOURAL AND DISTURBANCE STUDIES OF WILDLIFE, RECLAMATION PLANNING, WILDLIFE HABITAT ENHANCEMENT AND RECLAMATION, AND PROTECTION PLANNING.
KEMPER JB : ENVIRONMENTAL-ASSESSMENT & MITIGATION RELATED TO WATER-RESOURCE MANAGEMENT: FISHWAYS, INSTREAM FLOW NEEDS, WATER-QUALITY MODELLING, HABITAT ENHANCEMENT.
LEVINGS CD : ESTUARINE ECOLOGY OF BENTHOS & FISH. PHYSICAL IMPACTS ON WETLANDS SUPPORTING FISHERIES RESOURCES. RIVER ECOLOGY & EFFECTS OF BANKSIDE & RIPARIAN HABITAT DISRUPTION. BENTHIC ECOLOGY & COMMUNITIES IN FIORDS. ESTUARINE & RIVERINE HABITAT RESTORATION.
LLOYD K : WILDLIFE POPULATION & HABITAT RESEARCH & MANAGEMENT: INVENTORY PROGRAM, PROBLEM WILDLIFE RESEARCH & MANAGEMENT SURVEY TECHNIQUE RESEARCH & MANAGEMENT PLANS.
LOUIE RH : BIOPHYSICAL SURVEYS (SOILS, SURFICIAL GEOLOGY, VEGETATION, WILDLIFE HABITAT, CLIMATE), LAND USE IN BRITISH-COLUMBIA & APPLICATIONS FOR AGRICULTURE, FORESTRY, WILDLIFE, WATER, FISH & OTHER LAND USE PLANNING, ASSESSMENT AND MONITORING. BASE MAP PRODUCTION (TOPOGRAPHIC, PLANIMETRIC AND CADASTRAL). REMOTE-SENSING.
MACLEOD JC : FISH HABITAT MANAGEMENT. DEVELOPMENT OF POLICIES & PROGRAMS IN DFO & PROVISION OF ADVICE TO SENIOR MANAGEMENT ON CONSERVATION, RESTORATION & DEVELOPMENT OF FISH-HABITAT SUSTAINING CANADA'S IMPORTANT FISHERIES RESOURCES.
MANITOBA NATURALISTS SOCIETY : FIVE ACTION COMMITTEES MONITOR THE ENVIRONMENT OF MANITOBA IN PARTICULAR, BUT ALSO STUDY NATIONAL AND INTERNATIONAL ISSUES. THEY ARE PARKS, WILDLIFE, URBAN-ENVIRONMENT, HABITAT CONSERVATION AND ENVIRONMENTAL ACTION. VARIOUS POSITION PAPERS AND BRIEFS ARE WRITTEN REGARDING ENVIRONMENTAL ISSUES AND BROUGHT FORWARD TO THE GOVERNMENT AND INDUSTRY RESPONSIBLE. HECLA ISLAND MANAGEMENT PLAN, LOGGING IN ATIKAKI WILDERNESS AREA, CITY OF WINNIPEG RIVERS AND STREAM AUTHORITY, HYDRO ELECTRIC DEVELOPMENT (CONAWAPA) AND STORAGE OF NUCLEAR-WASTE.
MERRIAM HG : EFFECTS OF ISOLATION OF FOREST FRAGMENTS BY FARMLAND AND SUBURBAN LAND-USE. EFFECTS OF HETEROGENEITY OF LANDSCAPE MOSAICS ON SPECIES ASSEMBLAGES AND REGIONAL POPULATION-DYNAMICS INCLUDING LOCAL EXTINCTION AND RECOLONIZATION IN PATCHES AND THE EFFECTS OF CONNECTIVITY AMONG HABITAT ISLANDS.
PENDERGAST BA : EVALUATION, CLASSIFICATION & MAPPING OF WILDLIFE HABITAT. DEVELOPMENT OF TECHNIQUES FOR AUTOMATED & MANUAL MAPPING PROCEDURES. DEVELOPMENT OF ECOLOGICAL DATA-COLLECTION TECHNIQUES.
STEWART JM : PRODUCTION ACCUMULATION DYNAMICS OF PEATLAND; PEAT-CLASSIFICATION AND INVENTORY TECHNIQUES (REMOTE-SENSING); ECOLOGY OF WILD-RICE. UNGULATE RESPONSE TO HABITAT MANIPULATION; ECOLOGY OF HYDRO TRANSMISSION RIGHTS OF WAY.

HABITATS

BERGERON JM : IMPACT DE LA CHIMIE DES HABITATS SUR LA SANTE, LA SURVIE ET CERTAINS PARAMETRES DE DYNAMIQUE DE POPULATIONS D' HERBIVORES.
MINISTERE LOISIR CHASSE ET PECHE : PARCS ET TERRITOIRES FAUNIQUES, FAUNE, FLORE ET HABITATS. PLANIFICATION, GESTION, AMENAGEMENT, INFORMATION, LEGISLATION ENVIRONNEMENTALE, RECHERCHE.
NEWBURY RW : RIVER AND STREAM BEHAVIOUR AND HABITATS, FIELD EXPLORATION TECHNIQUES FOR CHARACTERIZING UNMAPPED WATERSHEDS AND STREAM CHANNELS, CHANNEL STABILITY, STREAM HYDROLOGY, DRAINAGE BASIN EXPLORATION.
REED A : RESEARCH ON ECOLOGY OF MIGRATORY-BIRDS AND THEIR HABITATS, PRINCIPALLY WATERFOWL AND OTHER AQUATIC SPECIES.

HABITATS

SLY PG : GEOLOGY OF LARGE LAKE SYSTEMS, SEDIMENT WATER INTERACTIONS INCLUDING TOXIC & NUTRIENT CONTAMINANTS, DREDGING & MATERIAL DISPOSAL, SEDIMENT EROSION, DEPOSITION & TRANSPORT. AQUATIC HABITATS & SEDIMENT BIOTA (INVERTEBRATE & FISH) INTERACTIONS.

WIGGINS GB : RESEARCH CONCERNED WITH BIOSYSTEMATICS OF TRICHOPTERA (CADDISFLIES), AN ORDER OF AQUATIC INSECTS IMPORTANT IN THE TRANSFER OF ENERGY AND NUTRIENTS IN ALL TYPES OF FRESHWATER HABITATS.

HALOGEN

BEWERS JM : GEOCHEMISTRY OF TRACE-METALS IN THE MARINE ENVIRONMENT. HALOGEN GEOCHEMISTRY. RADIOACTIVITY ANALYSIS. RESEARCH RELATED TO DISPOSAL OF RADIOACTIVE-WASTE IN THE OCEAN INCLUDING ENVIRONMENTAL SURVEILLANCE PROGRAMS.

HARDWOOD

JONES ARC : PRIVATE FOREST-MANAGEMENT. SHORT ROTATION FORESTRY; HARDWOOD FOREST DECLINE, MONITORING OF DAMAGING AGENTS & AMELIORATION OF EFFECTS.

MACARTHUR JD : SILVICULTURE: MIXED HARDWOOD FORESTS; FOREST-PLANTATIONS. FOREST-MANAGEMENT: SPECIAL CHARACTERISTICS OF PRIVATE WOODLANDS. URBAN FORESTRY: SELECTION & CARE OF ORNAMENTAL TREES & SHRUBS & BIOLOGICAL & ENVIRONMENTAL PROBLEMS OF URBAN VEGETATION.

HARDWOODS

ANDERSON HW : BIOMASS PRODUCTIVITY AND CLONAL PROPERTIES OF HYBRID POPLAR, WILLOW AND ALDER. GROWTH, QUALITY AND REGENERATION OF HIGH VALUE. HARDWOODS: SUGAR-MAPLE OR YELLOW BIRCH.

BARKLEY BA : DEVELOPMENT & TRANSFER OF TECHNIQUES TO SUCCESSFULLY ESTABLISH & MANAGE FAST-GROWING HARDWOODS: CLONE & SITE (SOIL TYPE) INTERACTION; SPACING EFFECTS; TECHNIQUES FOR SITE PREPARATION & FENDING; TREE IMPROVEMENT (DEVELOPMENT OF NEW CLONES); PROGENY & PROVENANCE TESTING & FERTILIZATION.

HATCHERIES

BIRKBECK AE : CHARACTERISATION & TREATMENT OF LANDFILL LEACHATE, ODOUR CONTROL AT LANDFILLS. INDUSTRIAL & MUNICIPAL WASTEWATER-TREATMENT, RECLAMATION & RECIRCULATION FOR FISH HATCHERIES. DESIGN & EVALUATION OF SMALL DISINFECTION UNITS, CHLORINE, OZONE & ULTRAVIOLET.

HATCHING

PETERSON RH : PHYSIOLOGICAL RESPONSES OF EARLY LIFE STAGES OF FISH TO LOW PH & ASSOCIATED TOXIC METALS; STRESSING INTERFERENCE WITH HATCHING, ION ACCUMULATION & AVOIDANCE. MONITORING OF LATE RESPONSES TO PH CHANGE.

HAWKS

BIRD DM : RESEARCH ON THE BIOLOGY OF BIRDS OF PREY (FALCONS, EAGLES, HAWKS, OWLS). RESPONSIBLE FOR MANAGEMENT OF A COLONY OF CAPTIVE FALCONS WITH WHICH RESEARCH ON TOXICOLOGY, AUTRITIEN BEHAVIOUR, ECOLOGY, PHYSIOLOGY ETC. IS CONDUCTED. ALSO FIELD STUDIES.

HAZARD

BURGESS LCN : FLOOD HAZARD EVALUATION THROUGH REMOTE-SENSING. ENVIRONMENTAL-PROTECTION. SUBUNIT'S EXPERTISE ALSO INCLUDES OCEANOGRAPHY, WILDLIFE, FISHERY & MARINE BIOLOGY, HYDROLOGY, GEOMORPHOLOGY, MARINE MAMMALS, ENVIRONMENTAL-ENGINEERING.

DOUGLAS VM : MANAGEMENT OF NEW CHEMICALS PROGRAM UNDER WHICH INDUSTRY MUST NOTIFY FEDERAL GOVERNMENT OF AN IMPORT OR MANUFACTURE OF A NEW CHEMICAL: HAZARD ASSESSMENT SPECIALIST PROGRAM DEVELOPMENT, TOXIC POLICY REVIEW & DEVELOPMENT, COORDINATION OF CRITERIA DEVELOPMENT, DEVELOPMENT OF REGULATION.

GERATH RF : AERIAL-PHOTOGRAPHY INTERPRETATION FOR GEOTECHNICAL ENGINEERING AND RELATED ENVIRONMENTAL STUDIES. SPECIALIST IN ROUTE/SITE-LOCATION STUDIES, LANDSLIDES AND SNOW AVALANCHE HAZARD EVOLUTIONS.

GHENT M : RISK AND HAZARD ASSESSMENT AND MONITORING. ENVIRONMENTAL-ASSESSMENT. METEOROLOGY. DATA-BASE SERVICES. OCCUPATIONAL-HEALTH AND SAFETY. ENGINEERING AND INDUSTRIAL PROCESS. INSTRUMENTATION AND LABORATORY SERVICES.

HAZARD

HRUDEY SE : INDUSTRIAL WASTE-MANAGEMENT, PETROLEUM, ORGANIC CHEMICAL, OIL-SANDS, FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION CONTROL; WATER RECLAMATION AND REUSE; HAZARDOUS TOXIC-WASTE, MANAGEMENT, DISPOSAL; INDUSTRIAL BIOTECHNOLOGY; ANAEROBIC TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT; RISK-ASSESSMENT; HAZARD IDENTIFICATION CONTROL.

KRUEGER RR : URBANIZATION OF FRUITLANDS (OKANAGAN-VALLEY, BRITISH-COLUMBIA & NIAGARA-FRUIT-BELT). RESPONSE OF QUEBEC ORCHARD-INDUSTRY TO LOW TEMPERATURE HAZARD.

MCKIBBEN L : ENVIRONMENTAL INVENTORY AND ANALYSIS. ENVIRONMENTAL-IMPACT PREDICTION AND MITIGATION. ENVIRONMENTAL-PLANNING AND MANAGEMENT. LAND-USE REGULATION. ENVIRONMENTALLY SENSITIVE & SIGNIFICANT AREA PROTECTION. HAZARD LAND REGULATION. TRANSPORTATION & UTILITY CORRIDOR PLANNING & MANAGEMENT.

MILLER DR : DISTRIBUTION AND TRANSPORT OF TOXIC-CHEMICALS IN THE ENVIRONMENT, AND THEIR EFFECTS ON ECOSYSTEMS AND ORGANISMS INCLUDING MAN; MODELLING OF TRANSPORT PROCESSES; HAZARD ASSESSMENT OF ENVIRONMENTAL CONTAMINANTS.

TOFT P : CONTAMINANTS IN DRINKING-WATER. CONTAMINANTS IN INDOOR-AIR. HAZARD EVALUATION. ASBESTOS. GUIDELINES FOR HUMAN EXPOSURE.

HAZARDOUS

DUNCAN CE : AIR-QUALITY & PRECIPITATION QUALITY MONITORING, ACID-RAIN MATHEMATICAL-MODELLING, METEOROLOGY, CONTROL & PROCESS TECHNOLOGY, HAZARDOUS CONTAMINANTS, STANDARD SETTING & REGULATION, SOURCE ASSESSMENT & MEASUREMENTS, VEHICLE EMISSIONS, SOILS & VEGETATION ASSESSMENT, PLANT PATHOLOGY EMERGENCY RESPONSE.

GANCZARCZYK JJ : APPLICATION OF ACTIVATED SLUDGE PROCESS FOR TREATMENT OF SEWAGE & INDUSTRIAL-EFFLUENTS, INHIBITION OF NITRIFICATION, PHYSICAL BEHAVIOUR OF BIOLOGICAL FLOCS, ROLE OF SOLID SURFACE IN SUSPENDED GROWTH TREATMENT, ESTIMATION OF BIOMASS PRODUCTION & HAZARDOUS WASTE-TREATMENT & DISPOSAL.

HRUDEY SE : INDUSTRIAL WASTE-MANAGEMENT, PETROLEUM, ORGANIC CHEMICAL, OIL-SANDS, FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION CONTROL; WATER RECLAMATION AND REUSE; HAZARDOUS TOXIC-WASTE, MANAGEMENT, DISPOSAL; INDUSTRIAL BIOTECHNOLOGY; ANAEROBIC TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT; RISK-ASSESSMENT; HAZARD IDENTIFICATION CONTROL.

MANSFIELD BH : OIL-SPILL COUNTERMEASURES, HAZARDOUS MATERIAL SPILLS, CONTINGENCY-PLANNING FOR EMERGENCIES OF ALL TYPES. ENVIRONMENTAL EMERGENCY PREVENTION, ALERTING, REPORTING AND RESPONSE.

PIMENTA JA : SAMPLING & ANALYSIS OF INDUSTRIAL & DOMESTIC WASTE & LANDFILL MATERIALS FOR HAZARDOUS INORGANIC COMPONENTS. WASTE CHARACTERIZATION & CLASSIFICATION FOR REGULATORY PURPOSES.

HAZARDOUS-CHEMICALS

DEFREITAS ASW : ENVIRONMENTAL TOXICOLOGY AND DOSIMETRY: BIOACCUMULATION OF HAZARDOUS-CHEMICALS BY TERRESTRIAL, AQUATIC AND AVIAN SPECIES: TRANSFER PROCESSES IN THE ENVIRONMENT. USE OF INDICATOR SPECIES.

ENVIRONMENTAL PROGRAMS : ENVIRONMENTAL-PROTECTION ENDEAVOURS TO ENSURE THAT THE FEDERAL GOVERNMENT CARRIES OUT ITS RESPONSIBILITIES FOR PROTECTION OF THE ENVIRONMENT IN A MANNER CONSISTENT WITH NATIONAL POLICY: PREVENTION, REDUCTION OR ELIMINATION OF ADVERSE ENVIRONMENTAL EFFECTS FROM NEW DEVELOPMENTS, RELEASES OF POLLUTANTS, OR THE USE OF HAZARDOUS-CHEMICALS & THE CLEANUP OF HARMFUL SUBSTANCES THAT ARE SPILLED.

JONES PH : STUDY, DESIGN AND OPERATION OF BIOLOGICAL WASTEWATER-TREATMENT, SOLID-WASTE MANAGEMENT, TOXIC AND HAZARDOUS-CHEMICALS, CHEMICAL-ACCIDENTS, ENVIRONMENTAL HEALTH IMPACT-ASSESSMENT. BIOLOGICAL REMOVAL ON PHOSPHORUS AND NITROGEN.

PALMER MD : WATER-QUALITY STUDIES AND PREDICTION MODELLING; BEACH BACTERIA CONTAMINANT MANAGEMENT STUDIES; OUTFALL AND INTAKE STUDIES AND DESIGN; DISPERSION AND TRANSPORT IN COASTAL REGIONS; HAZARDOUS-CHEMICALS MIXING ZONE PREDICTIONS AND RISK-ASSESSMENT; WATER-QUALITY MANAGEMENT PLANNING MODELS.

HAZARDOUS-WASTE

EEDY W : DESIGN, MANAGEMENT AND COSTING OF MULTIDISCIPLINARY ENVIRONMENTAL-IMPACT STUDIES, MITIGATION OR CONTINGENCY-PLANNING TERRESTRIAL-ECOLOGY SURVEYS, HAZARDOUS-WASTE MANAGEMENT, RESOURCE ECONOMICS, END-USE PLANNING, AND PUBLIC-PARTICIPATION PROGRAMS.

GOODINGS WD : USE OF QUARRIES & LINERS FOR LANDFILLS, ENERGY FROM WASTE OPPORTUNITIES; PRIVATE SECTOR FINANCING & OPERATION OF WASTE-MANAGEMENT SYSTEMS; HAZARDOUS-WASTE CLEANUP; PUBLIC PARTICIPATION PROGRAMS FOR SITING CONTROVERSIAL FACILITIES (LANDFILLS, INCINERATORS, HIGHWAYS).

HAANA E : COMPUTER-MODELLING OF HAZARDOUS-WASTE, ACID-RAIN, WOOD ENERGY AND FISHERIES FOR POLICY AND DECISION ANALYSIS. DESIGN AND IMPLEMENTATION OF RESOURCE AND ENVIRONMENTAL MANAGEMENT PLANS AND REHABILITATION MEASURES. DEVELOPMENT OF ENVIRONMENTAL ANALYSIS METHODOLOGIES AND INFORMATION-SYSTEMS. BIOPHYSICAL INVENTORIES AND DATA-ANALYSIS FOR BACKGROUND TO PLANNING INITIATIVES.

HAZARDOUS-WASTE

MAKHIJA R : METHOD DEVELOPMENT IN METALLURGICAL EFFLUENTS, AIR-MONITORING, CHEMICAL AUDIT, IDENTIFICATION OF TOXIC-CHEMICALS AND THEIR ANALYSIS, WASTE-MANAGEMENT STUDIES INCLUDING, SEMINARS, WORKSHOPS; SPILL CONTROL, HAZARDOUS-WASTE METHODS DEVELOPMENT, OCCUPATIONAL-HEALTH AND SAFETY, LANDFILL MONITORING, WATER-QUALITY, SOLID-WASTE SAMPLING AND ANALYSIS.

SIMPSON KJ : HAZARDOUS-WASTE MANAGEMENT: SITE SELECTION, PUBLIC PARTICIPATION, NEEDS STUDIES, FEASIBILITY STUDIES, TECHNOLOGY ASSESSMENT, SITE DEVELOPMENT, LEGISLATION. SOLID-WASTE MANAGEMENT, RECYCLING, INCINERATION, LANDFILLS, WASTE-DISPOSAL.

VISWANATHAN S : PARTICULATE MEASUREMENT AND CONTROL, ODOUR MEASUREMENT AND CONTROL, TRACE-ELEMENT MEASUREMENT, DISPERSION MODELLING, INDUSTRIAL-HYGIENE MEASUREMENTS, HEATING AND VENTILATION, HAZARDOUS-WASTE AUDITS.

WEAVER RS : MANAGEMENT OF RESEARCH IN THE FOLLOWING AREAS: AIR, WATER AND SOIL-ANALYSES; EFFECTS OF ENVIRONMENTAL-CONTAMINANTS IN AIR, WATER AND SOIL ON PLANTS, WILDLIFE AND DOMESTIC ANIMALS, AQUATIC VERTEBRATES AND INVERTEBRATES, AND MICRO-ORGANISMS; HAZARDOUS-WASTE DISPOSAL.

WILSON MA : MANAGES RESEARCH AND DEVELOPMENT PROJECTS ON POLLUTION-CONTROL TECHNOLOGY; SPECIFICALLY IN WATER AND WASTEWATER-TREATMENT, WASTE-MANAGEMENT AND ATMOSPHERIC EMISSION CONTROL. AREAS OF WORK INCLUDE PULP-AND-PAPER, SOUR-GAS AND HAZARDOUS-WASTE DISPOSAL.

YONG RN : RESEARCH INVOLVES ENVIRONMENTAL-AUDITING PERTAINING TO HAZARDOUS-WASTE DISPOSAL AND MANAGEMENT. RESEARCH THEMES ADDRESSED INCLUDE CONTAMINANT MIGRATION MODELLING IN SOILS, SOIL DECONTAMINATION, TOXICITY ASSESSMENT, CONTAMINANT BIODEGRADATION, LAND FARMING, REMEDIAL MEASURES, SOIL BIOTECHNOLOGY.

HAZARDOUS-WASTES

CREPIN J : PHYTOTOXIC EFFECTS OF HAZARDOUS-WASTES GENERATED BY THE OIL & NATURAL-GAS INDUSTRIES. CHEMICAL CHARACTERIZATION OF THESE WASTES. RECLAMATION OF WASTE TREATED SITES.

HAY DS : TRANSBOUNDARY CONTROLS FOR SHIPMENTS OF HAZARDOUS-WASTES.

KELLEY DG : ASSESSMENT & CONTROL OF HUMAN ACTIVITIES WHICH POSE ENVIRONMENTAL THREATS SUCH AS ACID-RAIN, TOXIC-CHEMICALS & HAZARDOUS-WASTES. SPECIFIC ACTIVITIES INCLUDE URBAN, INDUSTRIAL AND TRANSPORT.

HAZARDS

BURTON I : RISK-ASSESSMENT, NATURAL HAZARDS. ENVIRONMENTAL HAZARDS & RISKS. PERCEPTION OF ENVIRONMENT. IMPACT-ASSESSMENT.

GARDNER JS : SNOW & ICE HYDROLOGY, GLACIOLOGY & EROSION IN HIGH MOUNTAIN AREAS. NATURAL HAZARDS (FLOODS, AVALANCHES, LANDSLIDES IN MOUNTAIN ENVIRONMENTS.

MOHTADI MF : CHEMICAL TRANSFORMATIONS AND DISPERSION OF SULPHUR-DIOXIDE IN THE ATMOSPHERE. DISPERSION AND MIGRATION OF SPILLED CRUDE OIL WITHIN SOIL AND POTENTIAL ENVIRONMENTAL HAZARDS OF OIL-SPILLS ON LAND.

MORIN JR : RESEARCH RELATES TO RESOURCE DEVELOPMENT, RESOURCE CONSERVATION & THE PROTECTION OF PUBLIC SAFETY & RESOURCES FROM NATURAL HAZARDS PLANS ARE PREPARED FOR CROWN LANDS, WATERS, FORESTS, PARKS, FISH & WILDLIFE RESOURCES TO PROMOTE THEIR WISE MANAGEMENT FOR ECONOMIC & SOCIAL BENEFIT.

PALMER JHL : EXPERTISE IN AVALANCHE HAZARDS & PREDICTION, FROST ACTION, ICE FORCES ON STRUCTURES, ICE PROPERTIES, PERMAFROST ENGINEERING, SLOPE STABILITY, THERMAL REGIME OF SOIL. HEAD, GEOTECHNICAL SECTION.

WATSON AEP : WATER AND ECOSYSTEM QUALITY, DEVELOPMENT OF OBJECTIVES FOR ECOSYSTEM QUALITY FOR IJC GREAT-LAKES SCIENCE ADVISORY BOARD (SAB) HUMAN HEALTH EFFECTS OF GREAT-LAKES WATER-QUALITY EVALUATION OF HEALTH HAZARDS FROM CHEMICAL AND MICROBIOLOGICAL CONTAMINANTS IN THE GREAT-LAKES AND THE DEVELOPMENT OF THE DESIGN OF EPIDEMIOLOGICAL-STUDIES FOR THE (SAB) AND THE GREAT-LAKES WATER QUALITY BOARD. SAB GREAT-LAKES RESEARCH REVIEW PARTICIPATION.

HEALTH

BROUGHTON E : WILDLIFE STUDIES: HEALTH STATUS OF POPULATIONS AND INVESTIGATION OF DISEASE OUTBREAKS. CHEMICAL RESTRAINT OF WILDLIFE. DEVELOPMENT OF GUIDELINES FOR TRANSPORTATION OF WILDLIFE. ASSESSMENT OF FACILITIES.

CANTOR ED : NOSOCOMIAL INFECTIONS, INFECTIOUS DISEASE EPIDEMICS, INTOXICATIONS ETC. HEALTH RELATED ENVIRONMENTAL INVOLVEMENT IN EPIDEMIC OUTBREAKS.

DAY JH : INDOOR-AIR QUALITY; MOULD, FORMALDEHYDE & OTHER REACTANTS AND HUMAN HEALTH.

DOUGLAS GR : GENETIC TOXICOLOGY. MUTAGENESIS, GENETIC MONITORING OF HUMAN POPULATION. APPLICATION OF GENETIC TOXICOLOGY DATA IN REGULATION OF CHEMICALS. WORLD HEALTH ORGANIZATION COLLABORATION CENTRE ON ENVIRONMENTAL-MUTAGENESIS.

FORESTER AJ : METALS IN AQUATIC-ECOSYSTEMS. IMPACT OF AIR-POLLUTANTS ON HEALTH AND ENVIRONMENT. INCLUDING DEVELOPING-COUNTRIES. ENVIRONMENTAL-IMPACT OF NUCLEAR WARFARE. SCIENCE AND POLICY.

HEALTH

HOWARD TE : INDUSTRIAL-HYGIENE. ENVIRONMENTAL HEALTH STUDIES. AIR-POLLUTION STUDIES: IMPACT OF AIR EMISSIONS, ACID-RAIN, ODOUR CONTROL. MODELLING ATMOSPHERIC DISPERSION OF AIR-POLLUTANTS. WATER STUDIES. UPTAKE OF METALS BY AQUATIC ORGANISMS. BIOASSAYS. WASTEWATER-TREATMENT. REMOTE-SENSING. LANDFILL LEACHATE CONTROL.
JONES PH : STUDY, DESIGN AND OPERATION OF BIOLOGICAL WASTEWATER-TREATMENT, SOLID-WASTE MANAGEMENT, TOXIC AND HAZARDOUS-CHEMICALS, CHEMICAL-ACCIDENTS, ENVIRONMENTAL HEALTH IMPACT-ASSESSMENT. BIOLOGICAL REMOVAL ON PHOSPHORUS AND NITROGEN.
LETARTE R : QUALITY CONTROL OF WATER. SAFETY FOR HEALTH OF BIOLOGICAL PRODUCTS USED AGAINST PLANT DISEASES.
MORAN EJ : HEALTH RISK-ASSESSMENT. COMMUNITY HEALTH MONITORING. CONSENSUS PANELS ON MEDICAL ASPECTS OF ENVIRONMENTAL PROBLEMS. ROLE OF THE PHYSICIAN IN ENVIRONMENTAL MATTERS. PROFESSIONAL EDUCATION.
SATTAR SYED A : IMPACT OF VIRAL POLLUTION ON HUMAN HEALTH; SURVIVAL OF VIRUSES IN WATER, SOIL & THE ATMOSPHERE; DEVELOPMENT OF TECHNIQUES FOR VIRUS RECOVERY FROM THE ENVIRONMENT.
SEWELL WRD : REVIEW OF FACTORS APPEARING TO DETERMINE WHICH ENVIRONMENTAL ISSUES GET ON POLITICAL AGENDA. CONSIDERATION OF ROLE OF PROFESSIONALS IN ENVIRONMENTAL-MANAGEMENT, NOTABLY ENGINEERS, PUBLIC HEALTH OFFICIALS, PLANNERS, LAWYERS & ECONOMISTS.
STEVENSON JS : COMPOSITION OF DEEP SEA NODULES; PROBLEMS OF HEALTH RELATED TO MINING.
TODD ECD : FOOD BORNE DISEASE REPORTING & INVESTIGATION, COSTS OF FOOD BORNE DISEASE; SIGNIFICANCE OF TEMPERATURE FOR MICROBIAL GROWTH. PUBLIC HEALTH ASPECTS OF POULTRY PROCESSING, BARBECUED CHICKENS, CHEESE, CREAM PIES AND DONAIRS.
TRACK BL : ASSESSMENT OF DOSES & HEALTH EFFECTS OF ENVIRONMENTAL RADIATION. FOOD CHAIN TRANSFER OF RADIONUCLIDES. ATMOSPHERIC DISPERSION OF RADIONUCLIDES. HUMAN METABOLISM OF RADIONUCLIDES.
WATSON AEP : WATER AND ECOSYSTEM QUALITY, DEVELOPMENT OF OBJECTIVES FOR ECOSYSTEM QUALITY FOR IJC GREAT-LAKES SCIENCE ADVISORY BOARD (SAB) HUMAN HEALTH EFFECTS OF GREAT-LAKES WATER-QUALITY EVALUATION OF HEALTH HAZARDS FROM CHEMICAL AND MICROBIOLOGICAL CONTAMINANTS IN THE GREAT-LAKES AND THE DEVELOPMENT OF THE DESIGN OF EPIDEMIOLOGICAL-STUDIES FOR THE (SAB) AND THE GREAT-LAKES WATER QUALITY BOARD. SAB GREAT-LAKES RESEARCH REVIEW PARTICIPATION.
WEILER RR : PREPARATION OF SCIENTIFIC CRITERIA DOCUMENTS FOR STANDARDS DEVELOPMENT (MULTI-MEDIA). INCLUDES ASSESSMENT OF HEALTH. EFFECTS & EXPOSURE FOR HUMANS; EFFECTS ON TERRESTRIAL & AQUATIC-ECOSYSTEMS.
WOOD AG : PROTECTION OF HEALTH OF EMPLOYEES IN APPLICATION OF INDUSTRIAL-HYGIENE PRINCIPLES. DEVELOPMENT OF MATERIAL SAFETY DATA SHEETS AND TOXICOLOGY SUMMARIES FOR SYNTHETIC RUBBERS. COORDINATION OF WASTE-MANAGEMENT PROGRAMS AND MONITORING OF GOVERNMENTAL REGULATIONS.
YOSHIDA K : HOSPITAL ENVIRONMENTAL HEALTH. APPLICATOR EXPOSURE TO PESTICIDES. HOSPITAL WORKER EXPOSURE TO ANTI NEOPLASTIC DRUGS. HOSPITAL WORKER EXPOSURE TO ETHYLENE-OXIDE, INDOOR AIR-POLLUTION & HEALTH EFFECTS. WORKER EXPOSURE TO DISOLYANATES IN AUTO BODY REPAIR SHOPS.

HEART-DISEASE

NERI LC : ENVIRONMENTAL-POLLUTION, INDOOR-AIR, VDT'S & REPRODUCTIVE EPIDEMIOLOGY, LEAD, MAGNESIUM & HEART-DISEASE. CONDUCT OF EPIDEMIOLOGICAL-STUDIES, CRITICAL REVIEWS OF LITERATURE, DESIGN OF INVESTIGATIONS.

HEAT

BOWEN RP : RESEARCH TO PROVIDE THE KNOWLEDGE BASE REQUIRED FOR THE DESIGN AND OPERATION OF BUILDING SERVICES INCLUDING VENTILATION AND AIR MOVEMENT, SMOKE CONTROL IN TALL BUILDINGS, LIGHTING AND ADVANCED TECHNOLOGY IN BUILDINGS AS WELL AS FOR THE DESIGN OF THE BUILDING ENVELOPE FOR THE CONTROL OF HEAT, AIR AND MOISTURE,
GRAY DM : RESEARCH INTO HYDROLOGICAL PROBLEMS IMPORTANT TO COLD CLIMATE REGIONS & SEMI-ARID ENVIRONMENT. INTERESTS INCLUDE: HEAT & MASS TRANSFER IN FREEZING SOILS; SNOWMELT INFILTRATION & STREAMFLOW SIMULATION; WATER-USE.
HEALE EL : DEVELOPMENT OF WOODY TREES AND SHRUBS ON TAILINGS; TRACE-ELEMENTS (ESPECIALLY NICKEL AND COPPER). EFFECTS ON VEGETATION; EXPERIMENTS UTILIZING WASTE GEOTHERMAL HEAT ENERGY FOR THE PRODUCTION OF GREENHOUSE VEGETABLE AND FORESTRY CROPS; INVESTIGATION, NEGOTIATION AND SETTLEMENT OF CLAIMS FOR VEGETATION DAMAGE.
HUGHES FP : USE OF BIOMASS, PARTICULARLY WOOD-FIRED DUAL-PURPOSE POWER STATIONS USING WASTE HEAT FOR DISTRICT HEATING. WIND AS A POWER SOURCE.
MILLER PB : COMBUSTION EQUIPMENT; WASTE-INCINERATORS; HEAT RECOVERY; SNOWMELTER EQUIPMENT.
PETERS TH : UTILIZATION OF WASTE HEAT FOR FOOD & FOREST TREE-SEEDLING PRODUCTION.

HEATING

HUGHES FP : USE OF BIOMASS, PARTICULARLY WOOD-FIRED DUAL-PURPOSE POWER STATIONS USING WASTE HEAT FOR DISTRICT HEATING. WIND AS A POWER SOURCE.
PROKOPUK R : FOSSIL FUELS FOR HEATING. POWER GENERATION AND PROCESS APPLICATIONS: ENVIRONMENTAL-ASSESSMENT: AIR, WATER AND SOIL POLLUTION FROM STATIONARY AND MOBILE SOURCES; ANALYTICAL LABORATORY TECHNIQUES.

HEATING

VISWANATHAN S : PARTICULATE MEASUREMENT AND CONTROL, ODOUR MEASUREMENT AND CONTROL, TRACE-ELEMENT MEASUREMENT, DISPERSION MODELLING, INDUSTRIAL-HYGIENE MEASUREMENTS, HEATING AND VENTILATION, HAZARDOUS-WASTE AUDITS.

HEAVY-METAL

BARCLAY-ESTRUP P : VEGETATION, SOIL, AIR-POLLUTION INTERRELATIONSHIPS, ESPECIALLY BRYOPHYTES AND LICHENS, ACID-PRECIPITATION AND HEAVY-METAL ACCUMULATIONS. GENERAL PLANT ECOLOGY.
CARTY AJ : HEAVY-METAL POLLUTION IN THE ENVIRONMENT. BINDING OF HEAVY-METALS BY LIGANDS OF BIOLOGICAL SIGNIFICANCE. CHELATION-THERAPY FOR HEAVY-METALS. METHYLATION OF LEAD AND TIN IN THE ENVIRONMENT. SELENIUM PROTECTION AGAINST HEAVY-METALS.
HUTCHINSON TC : ACID-RAIN STUDIES OF TERRESTRIAL-ECOSYSTEMS, HEAVY-METAL TOXICITY TO PLANTS AND ALGAE, ECOTOXICOLOGY OF NICKEL, COPPER, LEAD. EFFECTS OF SMELTERS. OIL-SPILL AND HYDROCARBON TOXICITY RESEARCH. ARCTIC AND BOREAL AREAS.
KUSHNER DJ : MICROORGANISMS IN EXTREME ENVIRONMENTS. BIODEGRADATION OF CELLULOSE AND OTHER CONSTITUENTS OF WOODS. BIODEGRADATION OF PETROLEUM AND ALKANES. ACTION OF HEAVY-METALS ON MICROORGANISMS AND OF MICROORGANISMS ON HEAVY-METAL.
WOTTON DL : LEAD: DEPOSITION & ACCUMULATION IN URBAN SOILS, SMELTER EMISSIONS, EXHAUST, PAINT RESIDUES. FOREST: EFFECTS FROM MINING SMELTERS ON VEGETATION & SOIL, NORTHERN BOREAL-FOREST ECOSYSTEMS, CONIFEROUS REGENERATION IMPACTS FROM HEAVY-METAL CONTAMINATED SOILS. SOIL & GEOLOGY SENSITIVITY MAPPING FOR ACID-RAIN. HERBICIDES.

HEAVY-METALS

BANAS WP : AQUATIC TOXICOLOGY & CHEMICAL FATE INVESTIGATIONS. TOXICITY TESTING OF INDUSTRIAL EFFLUENTS (PULP & PAPER, MINING, STEEL MANUFACTURING). DEVELOPMENT OF A WATER-QUALITY AQUATIC ENVIRONMENT. TOXICITY OBJECTIVE REGARDING ALUMINUM IN THE EVALUATIONS OF PESTICIDES (ORGANOCHLORINE & ORGANOPHOSPHATE) & HEAVY-METALS USING RAINBOW-TROUT IN FLOW THROUGH & STATIC BIOASSAYS.
BATES TE : SOIL-FERTILITY, PLANT NUTRIENT RESPONSE & PREDICTION OF REQUIREMENTS. SOIL TESTING & PLANT ANALYSIS INCLUDING MICRONUTRIENTS & HEAVY-METALS, USE OF SEWAGE SLUDGE ON LAND.
CARTY AJ : HEAVY-METAL POLLUTION IN THE ENVIRONMENT. BINDING OF HEAVY-METALS BY LIGANDS OF BIOLOGICAL SIGNIFICANCE. CHELATION-THERAPY FOR HEAVY-METALS. METHYLATION OF LEAD AND TIN IN THE ENVIRONMENT. SELENIUM PROTECTION AGAINST HEAVY-METALS.
CZUBA M : ENVIRONMENTAL INTERACTIONS OF HEAVY-METALS & TRACE-ELEMENTS AS THEY AFFECT PHYSIOLOGY, BIOCHEMISTRY & CELL ASSOCIATIONS OF PLANTS. STUDIES OF TOXIC EFFECTS TO DETERMINE MECHANISMS OF ACTION, ASSESS PRODUCTS PRODUCED & POSSIBLE ABATEMENT MEASURES. EVALUATE MODERATING EFFECTS OF MICROORGANISMS ON METAL ACTION IN HOST ORGANISM.
DUDAS MJ : BIOGEOCHEMISTRY OF TRACE-ELEMENTS, HEAVY-METALS, RADIOISOTOPES IN SOILS, PLANTS & TERRESTRIAL SYSTEMS; CLAY MINERALOGY; RESEARCH ON FLY-ASH LEACHATES, TOXIC INORGANICS IN THE ENVIRONMENT & CYCLING OF NOXIOUS HEAVY-METALS.
FISHER KL : INFLUENCE OF LONG-RANGE-AIRBORNE-POLLUTION ON WILDLIFE VIA FOOD-CHAIN. BIOLOGICAL EFFECTS OF LONG-RANGE DEPOSITION OF HEAVY-METALS & THE CONSEQUENCES FOR WILDLIFE OF METAL MOBILIZATION UNDER ACIDIC CONDITIONS. PROGRAM MANAGER OF LRTAP PROGRAM FOR CANADIAN WILDLIFE SERVICE.
FITCHKO J : ENVIRONMENTAL BIOGEOCHEMISTRY, PARTICULARLY MOBILITY, PARTITIONING AND BIOCONCENTRATION OF HEAVY-METALS IN AQUATIC-ECOSYSTEMS. ENVIRONMENTAL-IMPACT-ASSESSMENT.
KUCERA E : MAMMALS AS INDICATORS OF ENVIRONMENTAL-QUALITY OR CONTAMINATION. MERCURY IN MINK & OTTER. HEAVY-METALS IN WILD MAMMALS. FLUORIDES IN DEER & SMALL MAMMALS. TRANSLATOR: CZECH, GERMAN, RUSSIAN, SLOVAK INTO ENGLISH; ENGLISH INTO CZECH, GERMAN.
KUSHNER DJ : MICROORGANISMS IN EXTREME ENVIRONMENTS. BIODEGRADATION OF CELLULOSE AND OTHER CONSTITUENTS OF WOODS. BIODEGRADATION OF PETROLEUM AND ALKANES. ACTION OF HEAVY-METALS ON MICROORGANISMS AND OF MICROORGANISMS ON HEAVY-METAL.
KWAIN W : THE EFFECTS OF ENVIRONMENTAL FACTORS ON THE SURVIVAL OF FISHES. INCUBATION AND GROWTH, SUCH AS TEMPERATURE, ACID AND HEAVY-METALS, ESPECIALLY TO THEIR EARLY LIFE-HISTORY.
MCKEOWN BA : ENVIRONMENTAL TOXICANTS OF FISH. HEAVY-METALS (ZINC, MERCURY, ALUMINUM), OIL, OIL DISPERSANTS, PESTICIDES, ACID-PRECIPITATION.
MORRISON IK : RESEARCH INTO EFFECTS OF ACID-RAIN ON FOREST BIOGEOCHEMISTRY, ESPECIALLY EFFECTS ON FOREST PRODUCTIVITY; RESEARCH INTO SOIL CHEMICAL CHANGES EFFECTED BY ACID-RAIN ARTIFICIALLY SUPPLIED; EFFECTS OF TOXIC HEAVY-METALS ON VEGETATION GROWTH.
NICHOLLS DM : THE EFFECT OF HEAVY-METALS ON MRNA TRANSLATION AND ON ENZYME ACTIVITY, ESPECIALLY ON KIDNEY, BRAIN, LIVER, AND MUSCLE OF MAMMALS AND FISH.
ORMROD DP : RESEARCH ON THE EFFECT OF GASEOUS AIR-POLLUTION & HEAVY-METALS ON PLANTS. STUDIES OF DOSE-RESPONSE RELATIONSHIPS, INJURY MECHANISMS, INTERACTIONS OF POLLUTANTS & ENVIRONMENTAL EFFECTS.
OUELLET M : PALEOLIMNOLOGICAL STUDY OF LAKE SEDIMENTS AS A MEANS OF RECONSTRUCTING PAST ANTHROPOGENIC IMPACTS. LONG-RANGE-ATMOSPHERIC-POLLUTANTS SUCH AS ACIDIFYING PRODUCTS, HEAVY-METALS, FLUORIDES AND POLYCYCLIC-HYDROCARBONS.
PHILLIPS SF : VEGETATION & SOIL STUDIES TO DETERMINE DEGREE & EXTENT OF ENVIRONMENTAL-CONTAMINATION & EFFECTS ON TERRESTRIAL-ECOSYSTEMS. DIRECT & INDIRECT EFFECTS OF HEAVY-METALS & SULPHUR-DIOXIDE FROM NON-FERROUS METAL SMELTERS ON BOREAL-FOREST ECOSYSTEMS; MONITOR LRTAPS, WOOD PRESERVATIVE CHEMICALS.

HEAVY-METALS

SALTER RS : STUDY OF MINE AND MILL EFFLUENT TAILINGS, SLURRIES AND WATERS. CYANIDE DESTRUCTION, HEAVY-METALS PRECIPITATION, SUSPENDED-SOLIDS REMOVAL.

SCHROEDER WH : ATMOSPHERIC-CHEMISTRY; PHOTOCHEMISTRY; MERCURY & ITS COMPOUNDS IN THE ENVIRONMENT; HEAVY-METALS & AMBIENT AIR; SAMPLING & ANALYSIS OF TRACE-ELEMENTS; TOXIC-CHEMICALS: ATMOSPHERIC SOURCES, TRANSPORT, TRANSFORMATION, REMOVAL & ENVIRONMENTAL FATE.

SNODGRASS WJ : RESEARCH INTO SEDIMENT WATER TRANSFER OF CONTAMINANTS (CHLORINATED ORGANICS, HEAVY-METALS, RADIONUCLIDES, ALKALINITY). WATER & WASTEWATER-TREATMENT PROCESSES. RADIOLOGICAL IMPACT OF NUCLIDE RELEASES.

THOMPSON JAJ : BIOGEOCHEMISTRY OF HEAVY-METALS RELATED TO INDUSTRIAL SOURCES: MINES, URBAN CENTRES. CHEMISTRY OF METAL BINDING PROTEINS. CHEMISTRY OF THERMAL VENT ORGANISMS.

HELIUM

DYCK W : DEVELOPMENT OF HYDROGEOCHEMICAL EXPLORATION TECHNIQUES & INSTRUMENTS. DETECTION & INTERPRETATION OF RADON & HELIUM ANOMALIES IN THE NATURAL ENVIRONMENT.

HEMATOPOIETIC-NECROSIS

LEE EGH : MUTAGENICITY OF ENVIRONMENTAL-CONTAMINANTS INVESTIGATED USING THE AMES-SALMONELLA-ASSAYS. FISH DISEASE DIAGNOSTIC SERVICES FOR BACTERIAL KIDNEY DISEASE & INFECTIOUS HEMATOPOIETIC-NECROSIS TEST. BIOPOLYMER PRODUCTION FROM METHANOL FERMENTATION.

HEMICELLULOSE

FORSBERG CW : CELLULOSE & HEMICELLULOSE DIGESTION BY RUMEN BACTERIA; PROTEIN DIGESTION BY RUMEN MICROORGANISMS. ACETONE & BUTANOL PRODUCTION FROM CELLULOSIC & HEMICELLULOSIC MATERIALS BY CLOSTRIDIUM-ACETOBUTYLICUM; GENETIC MANIPULATION OF RUMEN BACTERIA.

HEMOGLOBIN

HOUSTON AH : RESPIRATORY ADAPTATIONS TO TEMPERATURE AND OXYGEN AVAILABILITY, HEMOGLOBIN OXYGEN AFFINITY MODULATORS, EFFECTS OF WATERBORNE POLLUTANTS ON ADAPTIVE CAPABILITY.

HERBAGES

BOLDUC RJ : PHYSIOLOGIE ET BIOCHIMIE DU FROID, DE LA SECHERESSE ET DE LA SALINITE CHEZ LES PLANTES CULTIVEES. PHYSIOLOGIE DE LA PRODUCTION DES PLANTES CULTIVEES SOUS CHACUN DE CES STRESS. CULTURES A L'ETUDE: HERBAGES, CEREALES, PLANTES ORNEMENTALES, CULTURES FRUITIERES, ESPECES LIGNEUSES.

HERBARIUM

CROWDER A : UPTAKE OF METALS BY WETLAND PLANTS. IRON PLAQUES ON ROOTS. INVENTORY OF VEGETATION IN EUTROPHIC & OTHER WETLANDS. IMPACT-ASSESSMENT PARTICULARLY OF PARK USAGE, HERBARIUM CURATOR.

PARMELEE JA : TAXONOMIC RESEARCH IN PARASITIC FUNGI (RUSTS, SMUTS AND MILDEWS) OF VASCULAR PLANTS. STUDIES INCLUDE REVIEWS ON GEOGRAPHIC DISTRIBUTION AND LIFE-HISTORIES. RELATED WORK INVOLVES CREATION OF THE NATIONAL MYCOLOGICAL HERBARIUM A COLLECTION OF 250,000 DRIED FUNGUS SPECIMENS OF IMPORTANCE TO AGRICULTURE AND FORESTRY.

HERBICIDE

BROWN DJ : AQUATIC MONITORING TO ASSESS EFFLUENT IMPACT ON PROVINCIAL WATER-QUALITY OBJECTIVES, TO ASSESS IMPACT OF METALS & PESTICIDES IN FISH, TO ASSESS IMPACT OF PESTICIDE & HERBICIDE USE ON AQUATIC-ECOSYSTEMS.

GAYNOR JD : PERSISTENCE, DEGRADATION, MOVEMENT & LEACHING OF HERBICIDES. METABOLISM OF HERBICIDES BY PLANTS & ANALYSIS OF HERBICIDE RESIDUES IN CROPS. METHOD DEVELOPMENT FOR HERBICIDE ANALYSIS IN VARIOUS SUBSTRATES. INSTRUMENTAL ANALYSIS USING GAS, LIQUID & THIN LAYER CHROMATOGRAPHY, MASS-SPECTROSCOPY.

GROVER R : TRANSPORT OF HERBICIDES IN AIR, WATER & SOIL. EXPOSURE ESTIMATES OF APPLICATORS TO HERBICIDES. MASS BALANCE OF HERBICIDES AFTER APPLICATION ON FIELD SCALE. AIR-MONITORING OF HERBICIDES. HERBICIDE DRIFT ESTIMATES DURING APPLICATION.

NAZIR M : IMPACT OF FORESTRY OPERATION ON ENVIRONMENT. ENVIRONMENTAL-IMPACT OF HERBICIDE & INSECTICIDE USE.

HERBICIDE

QURESHI FA : PLANT PHYSIOLOGY. MODE OF ACTION OF HERBICIDES. ENVIRONMENTAL FACTORS AND PERFORMANCE OF HERBICIDES. CHEMICAL WEED CONTROL IN CEREALS AND OILSEED CROPS. EXTENSION AND ADVISORY SERVICE IN WEED CONTROL AND HERBICIDE DAMAGE DIAGNOSTIC.
ROSS G : HERBICIDE ENVIRONMENTAL-IMPACT-ASSESSMENT. SPRUCE PLANTATION ESTABLISHMENT, GROWTH & YIELD. GENETIC TREE IMPROVEMENT. TREE NURSERIES. SILVICULTURE WORK STUDY, PRODUCTIVITY TRIALS.
SHARMA MP : BEHAVIOUR & FATE OF HERBICIDES IN SOIL & PLANTS; CHEMICAL WEED CONTROL IN CEREAL & OILSEED CROPS; EFFECT OF ENVIRONMENTAL FACTORS ON HERBICIDE PERFORMANCE; CHEMICAL DAMAGE DIAGNOSTICS; EXTENSION SERVICE & RESEARCH.
SMITH AE : DEVELOPMENT OF ANALYTICAL PROCEDURES FOR THE EXTRACTION AND ANALYSIS OF HERBICIDES IN SOILS AND WATERS. DETERMINE THE PERSISTENCE OF HERBICIDES IN SOILS UNDER LABORATORY AND FIELD CONDITIONS. ISOLATE AND CHARACTERIZE HERBICIDE DEGRADATION PRODUCTS IN SOILS.

HERBICIDES

AHMAD I : METHODS DEVELOPMENT & TRACE RESIDUE ANALYSIS OF PESTICIDES (HERBICIDES, INSECTICIDES, PLANT GROWTH REGULATORS), METABOLITES, PCBS, ORGANICS IN ENVIRONMENTAL & AGRICULTURAL MATRICES. ORGANIC SYNTHESIS. REACTIONS IN ORGANIC-CHEMISTRY.
BOWREN KE : TESTING HERBICIDES FOR WEED CONTROL IN BARLEY, FLAX AND CANOLA CROPS.
CURRIE RA : MONITORING OF FOODS FOR PESTICIDE RESIDUES INCLUDING ORGANOCHLORINE AND ORGANOPHOSPHORUS INSECTICIDES AND VARIOUS HERBICIDES.
GAYNOR JD : PERSISTENCE, DEGRADATION, MOVEMENT & LEACHING OF HERBICIDES. METABOLISM OF HERBICIDES BY PLANTS & ANALYSIS OF HERBICIDE RESIDUES IN CROPS. METHOD DEVELOPMENT FOR HERBICIDE ANALYSIS IN VARIOUS SUBSTRATES. INSTRUMENTAL ANALYSIS USING GAS, LIQUID & THIN LAYER CHROMATOGRAPHY, MASS-SPECTROSCOPY.
GROVER R : TRANSPORT OF HERBICIDES IN AIR, WATER & SOIL. EXPOSURE ESTIMATES OF APPLICATORS TO HERBICIDES. MASS BALANCE OF HERBICIDES AFTER APPLICATION ON FIELD SCALE. AIR-MONITORING OF HERBICIDES. HERBICIDE DRIFT ESTIMATES DURING APPLICATION.
HOLDWAY DA : FISH-TOXICOLOGY: CHRONIC & ACUTE EFFECTS OF PESTICIDES (METHOXYCHLOR, PERMETHRIN), HERBICIDES (GLYPHOSATE), & METALS (VANADIUM) ON SURVIVAL, GROWTH & REPRODUCTION OF FLAGFISH & WHITE SUCKERS; EFFECTS ON BRAIN NEUROTRANSMITTERS & BIOENERGETICS. DEVELOPED TECHNIQUE FOR MEASURING DIMETHYL-SULFIDE AT PARTS PER TRILLION LEVELS IN FRESHWATER.
MCKERCHER RB : STUDIES ON SOIL ORGANIC PHOSPHORUS & ON SOIL APPLIED HERBICIDES. TEACH COURSE IN SOIL BIOCHEMISTRY AT POST-GRADUATE LEVEL.
PRASAD R : EXPERTISE IN: PESTICIDES FOR PROTECTION AND REGENERATION OF CANADIAN FOREST; HERBICIDES FOR FOREST RENEWAL AND IN STUDYING THE FATE OF HERBICIDES IN FOREST ENVIRONMENT; HERBICIDES FOR CONTROL OF MACROPHYTES.
QURESHI FA : PLANT PHYSIOLOGY. MODE OF ACTION OF HERBICIDES. ENVIRONMENTAL FACTORS AND PERFORMANCE OF HERBICIDES. CHEMICAL WEED CONTROL IN CEREALS AND OILSEED CROPS. EXTENSION AND ADVISORY SERVICE IN WEED CONTROL AND HERBICIDE DAMAGE DIAGNOSTIC.
ROSLYCKY EB : IMPACT OF HERBICIDES AND OTHER PESTICIDES ON SOIL MICROFLORA IN RELATION TO BASIC SOIL PHYSIOLOGICAL PROCESSES, INCLUDING NITROGEN FIXATION, SOIL FERTILITY, PESTICIDE ACCUMULATION, RESIDUE FORMATION AND EFFECTS OF VARIOUS AMENDMENTS, INCLUDING BIOTIC ON ITS BREAKDOWN.
SHARMA MP : BEHAVIOUR & FATE OF HERBICIDES IN SOIL & PLANTS; CHEMICAL WEED CONTROL IN CEREAL & OILSEED CROPS; EFFECT OF ENVIRONMENTAL FACTORS ON HERBICIDE PERFORMANCE; CHEMICAL DAMAGE DIAGNOSTICS; EXTENSION SERVICE & RESEARCH.
SIDHU SS : EFFECTS OF FLUORIDES IN THE ATMOSPHERE ON PLANTS & SOILS. EFFECTS OF SIMULATED ACID-RAIN ON PLANT POLLEN; BAFFERING CAPACITY OF PLANT SPECIES. EFFECTS OF HERBICIDES ON TARGET & NON-TARGET SPECIES; RESIDUES IN SOILS & PLANTS AND MOVEMENT OF HERBICIDES IN SOILS.
SMITH AE : DEVELOPMENT OF ANALYTICAL PROCEDURES FOR THE EXTRACTION AND ANALYSIS OF HERBICIDES IN SOILS AND WATERS. DETERMINE THE PERSISTENCE OF HERBICIDES IN SOILS UNDER LABORATORY AND FIELD CONDITIONS. ISOLATE AND CHARACTERIZE HERBICIDE DEGRADATION PRODUCTS IN SOILS.
STEPHENSON GR : STUDIES ON THE FATE OF HERBICIDES IN SOIL, WATER, AIR & PLANTS.
WOTTON DL : LEAD: DEPOSITION & ACCUMULATION IN URBAN SOILS, SMELTER EMISSIONS, EXHAUST, PAINT RESIDUES. FOREST: EFFECTS FROM MINING SMELTERS ON VEGETATION & SOIL, NORTHERN BOREAL-FOREST ECOSYSTEMS, CONIFEROUS REGENERATION IMPACTS FROM HEAVY-METAL CONTAMINATED SOILS. SOIL & GEOLOGY SENSITIVITY MAPPING FOR ACID-RAIN. HERBICIDES.

HERBIVORES

BERGERON JM : IMPACT DE LA CHIMIE DES HABITATS SUR LA SANTE, LA SURVIE ET CERTAINS PARAMETRES DE DYNAMIQUE DE POPULATIONS D' HERBIVORES.

HERBS

GAGNON D : VEGETATION ENVIRONMENT RELATIONSHIPS WITH APPLICATIONS TO FOREST-MANAGEMENT (REPLANTING), IN SOUTHWESTERN QUEBEC AND VANCOUVER-ISLAND, BRITISH-COLUMBIA. ECOLOGY AND DEMOGRAPHY OF PERENNIAL FOREST HERBS.

HERBS

HERITAGE

SCACE RC : MANAGEMENT, COORDINATION OF LARGE-SCALE MULTI-DISCIPLINARY STUDIES, HUMAN ECOLOGICAL AND LANDSCAPE ANALYSES, LAND-USE PLANNING, HERITAGE PARKS AND PROTECTED AREAS CONSERVATION, IMPACT-ASSESSMENT, RECREATIONAL STUDIES, EDITING, CONFERENCE PLANNING, PROJECT ASSESSMENT.

WEAVER ME : RESEARCH AND INVESTIGATION OF EFFECTS OF ATMOSPHERIC-POLLUTION ON CULTURAL HERITAGE RESOURCES AND THE BUILT ENVIRONMENT. MASONRY, STONE, BRICK, TERRACOTTA, BRONZES. STATUARY AND ARCHAEOLOGICAL SITES AND THEIR PROTECTION.

HOLARCTIC

BOYD H : STATUS, BIOLOGY, POPULATION-DYNAMICS AND MANAGEMENT OF HOLARCTIC BIRDS, ESPECIALLY WATERFOWL, SHOREBIRDS AND SEABIRDS. DUCK HUNTING AND DUCK NUMBERS.

HORMONES

FEUER GM : MECHANISM OF ACTION OF FOREIGN COMPOUNDS ON THE LIVER CELL AND ITS PHYSIOLOGICAL AND PATHOLOGICAL CONSEQUENCES IN VARIOUS TARGET ORGANS. ROLE OF STEROID HORMONES AND RECEPTOR BINDING IN THE IATROGENIC ACTIONS OF ENVIRONMENTAL CHEMICALS ON THE LIVER, PARTICULARLY IN TUMOUR PRODUCTION (CHEMICAL CARCINOGENESIS). STUDIES ON HUMAN MELANOMA RELATED TO ALTERED PINEAL FUNCTION.

RETNAKARAN A : INSECT PHYSIOLOGY: GROWTH & DEVELOPMENT (INSECT HORMONES & INSECT GROWTH REGULATORS). DEVELOPMENT OF HORMONE ANALOGS, MOULT INHIBITORS & CHITIN SYNTHESIS INHIBITORS AS CONTROL AGENTS FOR FOREST-INSECT PESTS. STUDY OF CHITIN SYNTHESIS & BIOCHEMISTRY OF THE SYNTAETIC STEPS. ELECTRON MICROSCOPY, AUTORADIOGRAPHY & CELLULAR LOCALIZATION OF THE CHITIN SYNTHESIS PROCESS.

HORTICULTURE

STUSHNOFF C : COLD STRESS, PLANT BREEDING, FRUIT CROPS. GENE RESOURCES & CRYOPRESERVATION; STRAWBERRIES, APPLES, BLUEBERRIES, GENERAL HORTICULTURE INCLUDING VEGETABLES, POTATOES.

HOUSING

LASENBY DC : LOCAL AND METROPOLITAN GOVERNMENT, ORGANIZATION AND MANAGEMENT. ENVIRONMENTAL-PLANNING. HOUSING. RURAL-PLANNING.

MELOCHE PH : FORINTEK CANADA CORP. IS A PRIVATE, NON-PROFIT RESEARCH AND DEVELOPMENT CORPORATION ACTIVELY ENGAGED IN ALL MAJOR SCIENTIFIC AND TECHNICAL DISCIPLINE RELATED TO WOOD PRODUCTS: SAWMILLING; SEASONING; MACHINING; COMPOSITE PRODUCTS; ADHESIVES; WOOD BASED ENERGY AND CHEMICALS; HOUSING MATERIALS SCIENCE; TIMBER ENGINEERING; WOOD PRESERVATION; FIRE RETARDANTS AND THE WOOD SCIENCES. ASSISTANCE AND EXPERT ADVICE ARE AVAILABLE TO FOREST PRODUCTS INDUSTRIES, GOVERNMENT AGENCIES, TRADE ASSOCIATIONS, CONSULTANTS, EQUIPMENT MANUFACTURERS, EDUCATIONAL INSTITUTIONS AND THE GENERAL PUBLIC.

HUILES

DESNOYERS JE : PROPRIETES THERMODYNAMIQUES DES TENSIOACTIFS ET COTENSIOACTIFS, PROPRIETES DES EMULSIONS, DISPERSION DES HUILES DANS L' EAU DE MER, CARACTERISATION DES DISPERSANTS.

HUMANE-TRAP

SIMKIN D : WILDLIFE ADMINISTRATION, POLICY AND PROGRAM DEVELOPMENT, RESEARCH AND TECHNOLOGY TRANSFER, LEGISLATION, ENFORCEMENT, USER TRAINING (FIREARM SAFETY, HUMANE-TRAP DEVELOPMENT, TEACHING, NATURALIST TRAINING), ORGANIZATIONAL STRATEGIES, COMMUNICATION WITH PUBLIC.

HUMANE-TRAPPING

SURRENDI DC : FISHERIES INCLUDING SPORTFISH MANAGEMENT SURVEYS, COMMERCIAL FISH MANAGEMENT, FISH CULTURE RESEARCH. WILDLIFE INCLUDING BIOLOGICAL RESEARCH ON WILDLIFE SPECIES, HUMANE-TRAPPING RESEARCH. SOCIO-ECONOMIC INCLUDING RESEARCH ON SOCIO-ECONOMIC ASPECTS OF FISH & WILDLIFE RESOURCE USE.

HUMANS

MCKEE PM : RESEARCH ON FRESHWATER ENVIRONMENTS; CYCLING OF NATURAL ELEMENTS & CONTAMINANTS; EFFECTS OF IONIZING RADIATION ON HUMANS AND OTHER BIOTA; FISHERIES BIOLOGY; BENTHIC ECOLOGY.

SHEMANCHUK JA : INVESTIGATING METHODS OF PROTECTING CATTLE AND HUMANS FROM BLOOD-SUCKING FLIES THROUGH USE OF REPELLENTS, BIOLOGICAL AGENTS AND MANAGEMENT PRACTICES IN AN ATTEMPT TO REDUCE THE DEPENDENCE ON CHEMICAL PESTICIDES.

WEILER RR : PREPARATION OF SCIENTIFIC CRITERIA DOCUMENTS FOR STANDARDS DEVELOPMENT (MULTI-MEDIA). INCLUDES ASSESSMENT OF HEALTH. EFFECTS & EXPOSURE FOR HUMANS; EFFECTS ON TERRESTRIAL & AQUATIC-ECOSYSTEMS.

HUMIC-SUBSTANCES

LANGFORD CH : STUDIES OF SPECIATION OF METAL IONS AND MOBILITY OF PESTICIDES IN NATURAL WATER SYSTEMS WITH SPECIAL REFERENCE TO THE NATURE AND ROLE OF HUMIC-SUBSTANCES. DEVELOPMENT OF KINETIC METHODS OF ANALYSIS.

SCHNITZER M : CHEMISTRY & REACTIONS OF HUMIC-SUBSTANCES IN SOILS. CHEMICAL COMPOSITION & STRUCTURE OF NITROGEN COMPOUNDS IN SOILS & THEIR EFFECTS ON PLANT GROWTH & ON THE ENVIRONMENT.

VISSER SA : EFFECTS OF MANURES, COMPOSTS & HUMIC-SUBSTANCES ON SOIL MICROFLORA, HIGHER PLANTS, SOIL PROPERTIES & ON POLLUTION OF NATURAL WATERS.

HUMID

SCOTT GAJ : MAN'S IMPACT ON SOIL VEGETATION NUTRIENT SYSTEMS, PARTICULARLY THROUGH DEFORESTATION BY LOGGING OR SHIFTING CULTIVATION IN THE HUMID TROPICS & SUBTROPICS.

HUMIDES

PLAMONDON AP : EVALUATION-DES-IMPACTS DES OPERATIONS FORESTIERES SUR LE REGIME ET LA QUALITE-DE-L'EAU. RESTAURATION DES BASSINS HYDROGRAPHIQUES DETERIORES PAR L' EROSION EN MILIEUX HUMIDES, SEC OU MONTAGNEUX.

HUMIDITE

DIONNE JL : RECHERCHES EN FERTILITE DES SOLS. ETUDES DES INTERACTIONS ENTRE LES ELEMENTS-NUTRITIFS ET LE PH DES SOLS, LA TEMPERATURE ET L' HUMIDITE DES SOLS.

HUMUS

BUNTING BT : MICROMORPHOLOGY OF SOILS, ESPECIALLY: BOREAL-FOREST HUMUS PROFILE; ARCTIC SOILS; SOLUTE-TRANSFER IN CLAY SOILS AND SOIL ACIDIFICATION.

HYDRAULIC

GUIOT SR : ANAEROBIC-WASTEWATER-TREATMENT. DEVELOPMENT OF ADVANCED REACTOR CONFIGURATIONS. MODELLING (STEADY STATE & DYNAMIC). EFFECT OF HYDRAULIC AND ORGANIC FACTORS ON THE SLUDGE GRANULATION INDUCTION. DETOXIFICATION (HEAVY METALS).

KOCELA RJ : NON-PROFIT CORPORATION AT UNIVERSITY OF WINDSOR CONTRACT RESEARCH: AIR-POLLUTION MEASUREMENT & CONTROL; HYDRAULIC & HYDRODYNAMIC-MODELLING; NOISE & VIBRATION STUDIES & CONTROL; TOXICOLOGY.

TORRENUEVA AL : MONITORING ENVIRONMENTAL-IMPACT ASSOCIATED WITH CONSTRUCTION & OPERATION OF ELECTRIC GENERATING STATIONS (THERMAL, HYDRAULIC & NUCLEAR). NUCLEAR). RESEARCH ON THE EFFECTS OF ACID-DEPOSITION & OTHER AIR-POLLUTANTS ON BIOLOGICAL SYSTEMS. REVEGETATION OF ASH DISPOSAL AREAS.

HYDRAULICS

CHEE SP : HYDRAULICS OF ICE COVERED RIVERS. EROSION OF GRANULAR MATERIAL.

DICK TM : HYDRAULICS RESEARCH RELATED TO THE ENVIRONMENT: RIVER MECHANICS, DISPERSION SEDIMENT TRANSPORT, RIVER ICE, AIR, WATER INTERACTIONS, WAVE GENERATION, COASTAL ENGINEERING, SEDIMENTOLOGY, URBAN WATER-RESOURCES.

KEFFER JF : RESEARCH IN FLUID MECHANICS, HYDRAULICS & TURBULENCE; NATURAL & INDUSTRIAL SITUATIONS. DISPERSION, DIFFUSION, MIXING, METEOROLOGICAL SITUATIONS WITHIN PLANETARY BOUNDARY LAYER. EXPERIMENTAL (LAB & FIELD STUDIES), NUMERICAL MODELLING, WIND EROSION OF MINE-TAILINGS, COAL PILES ETC.

HYDRO

BERKES F : LIVING RESOURCES, ESPECIALLY FISHERIES, ECOLOGY AND MANAGEMENT; ENVIRONMENTAL-IMPACT OF HYDRO PROJECTS ON FISHERIES; COMMON PROPERTY RESOURCE THEORY; ENVIRONMENT AND RESOURCE POLICIES; SMALL-SCALE FISHERIES AND HUMAN ECOLOGY.
MANITOBA NATURALISTS SOCIETY : FIVE ACTION COMMITTEES MONITOR THE ENVIRONMENT OF MANITOBA IN PARTICULAR, BUT ALSO STUDY NATIONAL AND INTERNATIONAL ISSUES. THEY ARE PARKS, WILDLIFE, URBAN-ENVIRONMENT, HABITAT CONSERVATION AND ENVIRONMENTAL ACTION. VARIOUS POSITION PAPERS AND BRIEFS ARE WRITTEN REGARDING ENVIRONMENTAL ISSUES AND BROUGHT FORWARD TO THE GOVERNMENT AND INDUSTRY RESPONSIBLE. HECLA ISLAND MANAGEMENT PLAN, LOGGING IN ATIKAKI WILDERNESS AREA, CITY OF WINNIPEG RIVERS AND STREAM AUTHORITY, HYDRO ELECTRIC DEVELOPMENT (CONAWAPA) AND STORAGE OF NUCLEAR-WASTE.
MANSFIELD AW : BIOLOGY & ECOLOGY OF MARINE MAMMALS EFFECTS OF MAN'S ACTIVITIES, ESPECIALLY HYDRO ELECTRIC & HYDROCARBON DEVELOPMENT, ON THESE SPECIES.
STEWART JM : PRODUCTION ACCUMULATION DYNAMICS OF PEATLAND; PEAT-CLASSIFICATION AND INVENTORY TECHNIQUES (REMOTE-SENSING); ECOLOGY OF WILD-RICE. UNGULATE RESPONSE TO HABITAT MANIPULATION; ECOLOGY OF HYDRO TRANSMISSION RIGHTS OF WAY.

HYDROBIOLOGIE

AUCLAIR JC : HYDROBIOLOGIE; ECOLOGIE-AQUATIQUE; ECOSYSTEME AQUATIQUE; EUTROPHISATION; POLLUTION-EAU; LIMNOLOGIE; LAC ACIDIFICATION; PRECIPITATIONS-ACIDES LAC; ALGUE PLANCTON; PHYTOPLANCTON; CHLOROPHYLLE; OXYGENE DISSIUS; MATIERE ORGANIQUE; PHOSPHATE; PHOSPHORE.
INRS-EAU : RECHERCHE MULTIDISCIPLINAIRE; ENSEIGNEMENT MULTIDISCIPLINAIRE; CENTRE DE RECHERCHE; RECHERCHE UNIVERSITAIRE; ENVIRONNEMENT EAU; RESSOURCE-EAU; ECOLOGIE EAU; HYDROLOGIE; HYDROBIOLOGIE; LIMNOLOGIE; ASSAINISSEMENT-EAU; TRAITEMENT-EAUX-USEES.

HYDROCARBONS

KICENIUK JW : AQUATIC TOXICOLOGY OF CHRONIC EXPOSURE. TOXICOLOGY OF HYDROCARBONS. ANALYSIS OF HYDROCARBONS IN WATER SEDIMENT AND BIOLOGICAL SAMPLES.
SIMPSON F : POROSITY PERMEABILITY VARIATION IS RELATED TO LITHOLOGIC ASSOCIATIONS AND SEDIMENTARY STRUCTURE IN SEARCH RATIONALES, APPLIED TO RESERVOIR DEVELOPMENT IN EXPLOITATION OF HYDROCARBONS AND DEEP-WELL DISPOSAL OF FLUID, INDUSTRIAL-WASTES.
VANDERMEULEN JH : RESEARCH: PHYSIOLOGICAL & BIOCHEMICAL, POLLUTION STRESS IN AQUATIC ORGANISMS PRIMARILY FROM PETROLEUM HYDROCARBONS. PHYSICAL & CHEMICAL, FATE & DISPOSITION OF PETROLEUM HYDROCARBONS IN COASTAL SEDIMENTS. COASTAL ZONE POLLUTION & MANAGEMENT.

HYDROCARBURES

PELLETIER E : ECOTOXICOLOGIE MARINE; ETUDE DES INTERACTIONS DES POLLUANTS (METAUX, BPC ET HYDROCARBURES) AVEC LES ORGANISMES MARINS DANS L' ECOSYSTEME COTIER ET LES ESTUAIRES.

HYDROCARBURES-POLYNUCLEAIRES-AROMATIQUES

PAULIN G : INVENTAIRE DE DOXINES & FURANNES, EFFETS SUR LA SANTE, INVENTAIRE SUR LES COMPOSES-ORGANIQUES-VOLATILS; ETUDES SUR LES HYDROCARBURES-POLYNUCLEAIRES-AROMATIQUES, ETUDES SUR LE BRUIT-COMMUNAUTAIRE, EVOLUTION DE LA QUALITE DE L' AIR AU QUEBEC, EFFET DU CHAUFFAGE-AU-BOIS.

HYDRODYNAMIC-MODELLING

KERR DC : ENVIRONMENTAL-IMPACT-ASSESSMENT ON AQUATIC & TERRESTRIAL ENVIRONMENTS; WATER-QUALITY ASSESSMENT; WETLAND PRESERVATION. WATER-QUALITY INSTREAM COMPUTER-MODELLING; HYDRODYNAMIC-MODELLING; ENVIRONMENTAL-PLANNING & RESOURCE-MANAGEMENT.
KOCELA RJ : NON-PROFIT CORPORATION AT UNIVERSITY OF WINDSOR CONTRACT RESEARCH: AIR-POLLUTION MEASUREMENT & CONTROL; HYDRAULIC & HYDRODYNAMIC-MODELLING; NOISE & VIBRATION STUDIES & CONTROL; TOXICOLOGY.
KOHLI B : PHYSICAL LIMNOLOGY; HYDRODYNAMIC-MODELLING & WATER-QUALITY SIMULATION, SEDIMENT. TRANSPORT, DISPERSION & DIFFUSION PROCESSES. ASSESSMENTS AND OPTIMIZATION OF SEWAGE OUTFALL (SUBMERGED DIFFUSERS) AND WATER INTAKE. LAKE HARBOUR EXCHANGE PROCESSES.

HYDROGEN

BROWN RM : ISOTOPE HYDROLOGY BASED ON VARIATIONS OF ENVIRONMENTAL HYDROGEN, CARBON, OXYGEN, URANIUM ISOTOPES. MEASUREMENT OF ENVIRONMENTAL 3H, 14C. DEVELOPMENT OF SAMPLE PREPARATION TECHNIQUES FOR ACCELERATOR 14C DATING.

HYDROGEN-SULPHIDE

GEORGE Z : SULPHUR-DIOXIDE EMISSION. HYDROGEN-SULPHIDE EMISSION. REACTION BETWEEN SULPHUR-DIOXIDE & HYDROGEN-SULPHIDE. ROLE OF CATALYSTS IN THE ABOVE REACTION. SULPHUR RECOVERY.

THORPE JW : ANALYSIS OF ORGANICS AND INORGANICS IN NATURAL AND PROCESS WATERS; EVALUATION OF INDOOR AIR-QUALITY IN HOMES AND OFFICES; ON-LINE ANALYSIS OF SUB-PPM LEVELS OF HYDROGEN-SULPHIDE IN WATER.

HYDROGEOCHEMICAL

DYCK W : DEVELOPMENT OF HYDROGEOCHEMICAL EXPLORATION TECHNIQUES & INSTRUMENTS. DETECTION & INTERPRETATION OF RADON & HELIUM ANOMALIES IN THE NATURAL ENVIRONMENT.

HYDROGEOLOGICAL

KERR HA : GEOLOGICAL, HYDROGEOLOGICAL & GEOPHYSICAL INVESTIGATIONS FOR PROPER MANAGEMENT OF SOIL & GROUNDWATER RESOURCES.

LAWRENCE GR : RESOURCE EXPLORATION AND PRODUCTION SUPPORT, GROUNDWATER AND WASTE-SITE EVALUATION, WEATHER MODIFICATION AND METEOROLOGICAL SERVICES, REMOTE-SENSING AND BIOPHYSICAL STUDIES. PETROLEUM ENGINEERING, HYDROGEOLOGICAL, ATMOSPHERIC AND BIOPHYSICAL ASSESSMENTS.

HYDROGEOLOGIE

VILLENEUVE JP : HYDROLOGIE; MODELE HYDROLOGIE; MODELE HYDROGEOLOGIE; HYDROGEOLOGIE; MODELE EAUX-SOUTERRAINES; EAU-SOUTERRAINE; MODELE RIVIERE; MODELE BASSIN-VERSANT; MODELE EAU RIVIERE; MODELE QUANTITE-QUALITE; COUPLAGE QUANTITE-QUALITE.

HYDROGEOLOGY

FRITZ P : ENVIRONMENTAL ISOTOPE GEOCHEMISTRY IN RELATION TO WASTE-DISPOSAL, CONTAMINANT STUDIES, HYDROGEOLOGY, QUATERNARY GEOLOGY & PALEONTOLOGY. STABLE ISOTOPE ANALYSES, RADIOCARBON DATING, TRITIUM DETERMINATIONS, GEOCHEMICAL ANALYSES.

GALE JE : GROUNDWATER FLOW SYSTEMS IN FRACTURED AND FRACTURED POROUS MEDIA BASED ON FIELD AND NUMERICAL MODELLING STUDIES. PROJECTS INCLUDE (A) DEWATERING IN FRACTURED ROCK MASSES; (B) HYDROGEOLOGY OF FRACTURED ROCKS AS APPLIED TO MINERAL EXPLORATION AND TOXIC-WASTE DISPOSAL; (C) MEASURED VERSUS COMPUTED FRACTURE POROSITY, AND (D) CHARACTERIZING THE GEOMETRY AND MECHANICAL PROPERTIES OF FRACTURE SYSTEMS.

GARTNER LEE ASSOCIATES LTD : CONSULTANTS: HYDROGEOLOGY, ENVIRONMENTAL GEOLOGY, TERRAIN EVALUATION, BIOLOGY, INVENTORIES, ASSESSMENTS, AGGREGATES, ENGINEERING & GEOLOGY, GEOTECHNICAL STUDIES.

HYDROGRAPH

MADRAMOOTOO C : AGRICULTURAL HYDROLOGY, WATERSHED ENGINEERING, ESTIMATION OF PEAK FLOWS, HYDROLOGIC TIME PARAMETERS & HYDROGRAPH ANALYSIS. TRICKLE IRRIGATION SYSTEM DESIGN. SOIL EROSION & SEDIMENTATION, ESTIMATION PESTICIDE & CHEMICAL LOSSES FROM AGRICULTURAL WATERSHEDS.

VANDENBERG A : MODELLING OF SATURATED & UNSATURATED GROUNDWATER FLOW; STUDY OF IMPACT OF AGRICULTURAL DRAINAGE ON THE RIVER HYDROGRAPH.

HYDROGRAPHIC

BIOMAIL OFFICE : FUNDAMENTAL RESEARCH IN ALL FIELDS OF MARINE SCIENCES (PHYSICS, BIOLOGY, CHEMISTRY & GEOLOGY) & FISHERIES. HYDROGRAPHIC SURVEYS; PRODUCTION OF NAVIGATIONAL CHARTS FOR REGIONS FROM GEORGE'S BANK TO THE NORTHWEST PASSAGE IN THE CANADIAN ARCTIC; RESEARCH ON POSITIONING SYSTEMS.

EATON RM : LORAN-NAVIGATION; CALIBRATION FOR ACCURATE LATTICE DRAWING AND POSITION CALCULATION. NAVSTAR GPS; CONTRACT SUPERVISION FOR INVESTIGATIONS IN POSITIONING ACCURACY AND SPECIAL MODIFICATIONS FOR HYDROGRAPHIC SURVEYING. ELECTRONIC CHART DISPLAY: INVESTIGATIONS IN TECHNICAL AND ORGANIZATIONAL ASPECTS OF SAFER NAVIGATION THROUGH COMPUTER GENERATED CHART DISPLAYS, WITH EMPHASIS ON PREPARING THE HYDROGRAPHIC DATA-BASE.

HYDROGRAPHIQUES

PLAMONDON AP : EVALUATION-DES-IMPACTS DES OPERATIONS FORESTIERES SUR LE REGIME ET LA QUALITE-DE-L'EAU. RESTAURATION DES BASSINS HYDROGRAPHIQUES DETERIORES PAR L' EROSION EN MILIEUX HUMIDES, SEC OU MONTAGNEUX.

HYDROGRAPHIQUES

HYDROGRAPHY

AKENHEAD SA : FISHERIES OCEANOGRAPHY, BIOLOGICAL OCEANOGRAPHY, FISHERIES MANAGEMENT, ECOLOGICAL MODELLING, HYDROGRAPHY, OCEANOGRAPHIC INSTRUMENTS, MARICULTURE.

HYDROLOGICAL

GRAY DM : RESEARCH INTO HYDROLOGICAL PROBLEMS IMPORTANT TO COLD CLIMATE REGIONS & SEMI-ARID ENVIRONMENT. INTERESTS INCLUDE: HEAT & MASS TRANSFER IN FREEZING SOILS; SNOWMELT INFILTRATION & STREAMFLOW SIMULATION; WATER-USE.
KESIK AB : GEOMORPHOLOGICAL & HYDROLOGICAL SURVEY AND MAPPING. REMOTE-SENSING OF NATURAL-RESOURCES. TERRAIN EVALUATION.
NICOLSON JA : IMPACT OF FOREST MANAGEMENT PRACTICES & THE LONG-RANGE-TRANSPORT-OF-AIR-POLLUTANTS ON HYDROLOGICAL PROCESSES IN FOREST-ECOSYSTEMS.
RIPPON RE : HYDROLOGICAL SITE INVESTIGATIONS FOR DEVELOPMENT OF MUNICIPAL SOLID-WASTE DISPOSAL SITES.

HYDROLOGIE

BOBEE BJY : HYDROLOGIE STATISTIQUE; HYDROSTATISTIQUE; ANALYSE STATISTIQUE; METHODE STATISTIQUE DEBIT EAU; ECOULEMENT EAU; CRUE PARAMETRE HYDROLOGIQUE; HYDROPARAMETRE RESEAU HYDROMETRIQUE; RESEAU HYDROLOGIQUE ACQUISITION-DE-DONNEES; RESEAU LOI STATISTIQUE; DISTRIBUTION STATISTIQUE; PEARSON-III; MODELE HYDROLOGIE.
CLUIS D : HYDROLOGIE STATISTIQUE; HYDROSTATISTIQUE; ANALYSE STATISTIQUE; METHODE STATISTIQUE; SERIE DE TEMPS; PAS DE TEMPS COEFFICIENT, AUTOCORRELATION; AUTOCORRELATION BIAIS-RESIDUEL; SERIE CHRONOLOGIQUE; TEST DE TENDANCE; TEST D' INDEPENDANCE; MODELE HYDROLOGIE; MODELE CEQUEAU; MODELE DETERMINISTE; COUPLAGE QUANTITE-QUALITE; RESEAU HYDROLOGIE; ACQUISITION-DE-DONNEES.
FORTIN JP : HYDROLOGIE; HYDROMETEOROLOGIE; PRECIPITATION; PLUIE; NEIGE; RUISSELLEMENT; DEBIT; ECOULEMENT; PHYSIOGRAPHIE; RIVIERE; BASSIN VERSANT; CRUE; INONDATION; TELEDETECTION EAU; SATELLITE EAU; INTEGRATION DES DONNEES; STATISTIQUE HYDROLOGIE; GESTION-EAU; PLANIFICATION-EAU; PREVISION EAU; DECISION EAU; PROTECTION EAU; CONTROLE-EAU; MODELE HYDROLOGIQUE; CEQUEAU MODELE; MODELE DETERMINISTE MAILLE-CARREAU; MODELE D AJUSTEMENT; PREVISION HYDROLOGIQUE; PREVISION ECOULEMENT; PREVISION TEMPS REEL; RESEAU HYDROLOGIQUE; PLUVIOMETRE; RADAR HYDROLOGIE; STATION-PLUVIOMETRIQUE; RESEAU RADAR METEOROLOGIE; PRECIPITATIONS-ACIDES; POLLUANTS-ATMOSPHERIQUES; TRANSPORT-A-LONGUE-DISTANCE; MODELE STATISTIQUE; DIFFUSION UNIDIMENSIONNEL; ANISOTROPIE-SPATIALE.
GODBOUT G : BIBLIOGRAPHIES; DOCUMENTATION; INFORMATION SCIENTIFIQUE; TELEREFERENCE; REFERENCE; RENSEIGNEMENT TECHNIQUE; BANQUE-BIBLIOGRAPHIQUE AUTOMATISEE; ENVIRONNEMENT EAU; RESSOURCE EAU; ENVIRONNEMENT-AQUATIQUE; EAU RESSOURCE; ECOLOGIE EAU; ECOLOGIE-AQUATIQUE; HYDROLOGIE; LIMNOLOGIE; ASSAINISSEMENT-EAU; TRAITEMENT-EAUX-USEES.
INRS-EAU : RECHERCHE MULTIDISCIPLINAIRE; ENSEIGNEMENT MULTIDISCIPLINAIRE; CENTRE DE RECHERCHE; RECHERCHE UNIVERSITAIRE; ENVIRONNEMENT EAU; RESSOURCE-EAU; ECOLOGIE EAU; HYDROLOGIE; HYDROBIOLOGIE; LIMNOLOGIE; ASSAINISSEMENT-EAU; TRAITEMENT-EAUX-USEES.
MORIN G : HYDROLOGIE; MODELE HYDROLOGIE; CEQUEAU MODELE; MODELE STOCHASTIQUE; PLUIE DEBIT; PLUIE RUISSELLEMENT; COMPOSANTE PRINCIPALE; ONDE-DE-CRUE; CRUE PREVISION; CRUE CONTROLE; MODELE EMPIRIQUE; QUALITE EAU; MODELE-MATHEMATIQUE; MODELE UNIDIMENSIONNEL; PARAMETRE HYDROLOGIQUE; HYDROPARAMETRE.
SLIVITZKY M : HYDROLOGIE; RESSOURCE-EAU; ENVIRONNEMENT EAU; ENVIRONNEMENT-AQUATIQUE.
VILLENEUVE JP : HYDROLOGIE; MODELE HYDROLOGIE; MODELE HYDROGEOLOGIE; HYDROGEOLOGIE; MODELE EAUX-SOUTERRAINES; EAU-SOUTERRAINE; MODELE RIVIERE; MODELE BASSIN-VERSANT; MODELE EAU RIVIERE; MODELE QUANTITE-QUALITE; COUPLAGE QUANTITE-QUALITE.

HYDROLOGIQUE

BOBEE BJY : HYDROLOGIE STATISTIQUE; HYDROSTATISTIQUE; ANALYSE STATISTIQUE; METHODE STATISTIQUE DEBIT EAU; ECOULEMENT EAU; CRUE PARAMETRE HYDROLOGIQUE; HYDROPARAMETRE RESEAU HYDROMETRIQUE; RESEAU HYDROLOGIQUE ACQUISITION-DE-DONNEES; RESEAU LOI STATISTIQUE; DISTRIBUTION STATISTIQUE; PEARSON-III; MODELE HYDROLOGIE.
FORTIN JP : HYDROLOGIE; HYDROMETEOROLOGIE; PRECIPITATION; PLUIE; NEIGE; RUISSELLEMENT; DEBIT; ECOULEMENT; PHYSIOGRAPHIE; RIVIERE; BASSIN VERSANT; CRUE; INONDATION; TELEDETECTION EAU; SATELLITE EAU; INTEGRATION DES DONNEES; STATISTIQUE HYDROLOGIE; GESTION-EAU; PLANIFICATION-EAU; PREVISION EAU; DECISION EAU; PROTECTION EAU; CONTROLE-EAU; MODELE HYDROLOGIQUE; CEQUEAU MODELE; MODELE DETERMINISTE MAILLE-CARREAU; MODELE D AJUSTEMENT; PREVISION HYDROLOGIQUE; PREVISION ECOULEMENT; PREVISION TEMPS REEL; RESEAU HYDROLOGIQUE; PLUVIOMETRE; RADAR HYDROLOGIE; STATION-PLUVIOMETRIQUE; RESEAU RADAR METEOROLOGIE; PRECIPITATIONS-ACIDES; POLLUANTS-ATMOSPHERIQUES; TRANSPORT-A-LONGUE-DISTANCE; MODELE STATISTIQUE; DIFFUSION UNIDIMENSIONNEL; ANISOTROPIE-SPATIALE.

HYDROLOGIQUE

MORIN G : HYDROLOGIE; MODELE HYDROLOGIE; CEQUEAU MODELE; MODELE STOCHASTIQUE; PLUIE DEBIT; PLUIE RUISSELLEMENT; COMPOSANTE PRINCIPALE; ONDE-DE-CRUE; CRUE PREVISION; CRUE CONTROLE; MODELE EMPIRIQUE; QUALITE EAU; MODELE-MATHEMATIQUE; MODELE UNIDIMENSIONNEL; PARAMETRE HYDROLOGIQUE; HYDROPARAMETRE.

HYDROLOGY

ADAMS WP : ASPECT OF HYDROLOGY AND BIOLOGY INVOLVING SNOW AND ICE. STUDIES ON SNOW-COVER, LAKE ICE AND GLACIERS. STUDIES IN ARCTIC, SUBARCTIC AND COLD TEMPERATE REGIONS.

AMBLER DC : SURFACE-WATER HYDROLOGY IN THE ATLANTIC PROVINCES AND THE EASTERN ARCTIC ISLANDS. RUNOFF SIMULATION. WATERSHED FORECASTING.

BROWN RM : ISOTOPE HYDROLOGY BASED ON VARIATIONS OF ENVIRONMENTAL HYDROGEN, CARBON, OXYGEN, URANIUM ISOTOPES. MEASUREMENT OF ENVIRONMENTAL 3H, 14C. DEVELOPMENT OF SAMPLE PREPARATION TECHNIQUES FOR ACCELERATOR 14C DATING.

BURGESS LCN : FLOOD HAZARD EVALUATION THROUGH REMOTE-SENSING. ENVIRONMENTAL-PROTECTION. SUBUNIT'S EXPERTISE ALSO INCLUDES OCEANOGRAPHY, WILDLIFE, FISHERY & MARINE BIOLOGY, HYDROLOGY, GEOMORPHOLOGY, MARINE MAMMALS, ENVIRONMENTAL-ENGINEERING.

BURNEY JR : SOIL AND WATER ENGINEERING AREA OF AGRICULTURAL ENGINEERING, PRINCIPALLY SMALL WATERSHED HYDROLOGY. ADDITIONALLY IRRIGATION AND DRAINAGE OF AGRICULTURAL LAND.

CHIENG S : DRAINAGE, IRRIGATION, LAND & WATER-RESOURCES MANAGEMENT. HYDROLOGY & COMPUTER APPLICATION TO AGRICULTURAL ENGINEERING. EXPERIENCE IN CANADA, USA, CHINA, MALAYSIA, TAIWAN.

COLWELL DW : NATIONAL CENTRE OF COMPETENCE CONCERNED WITH APPLICATION OF METEOROLOGICAL KNOWLEDGE AND DATA TO STUDIES DEALING WITH PROBLEMS OF THE FRESH AND SALT WATER ENVIRONMENTS (HYDROLOGY, WATER-RESOURCES, OCEANS, LAKES AND RESERVOIRS).

GARDNER JS : SNOW & ICE HYDROLOGY, GLACIOLOGY & EROSION IN HIGH MOUNTAIN AREAS. NATURAL HAZARDS (FLOODS, AVALANCHES, LANDSLIDES IN MOUNTAIN ENVIRONMENTS.

JAMES W : URBAN HYDROLOGY, STORMWATER MANAGEMENT, FIELD INSTRUMENTATION, COMPUTER-MODELLING, STORM MODELS WATER-QUALITY MODELLING.

KENG JCW : SOIL-PHYSICS, SOIL & WATER-ENGINEERING, AGRICULTURAL HYDROLOGY; WATERSHED MANAGEMENT; CONSERVATION FARMING.

LOGAN LA : WATER-RESOURCE SYSTEMS AND ENGINEERING: STOCHASTIC HYDROLOGY, RISK AND DECISION ANALYSES. ADVICE IN SOLVING WATER-MANAGEMENT PROBLEMS OF WATER-QUALITY CONTROL AND PROTECTION.

MADRAMOOTOO C : AGRICULTURAL HYDROLOGY, WATERSHED ENGINEERING, ESTIMATION OF PEAK FLOWS, HYDROLOGIC TIME PARAMETERS & HYDROGRAPH ANALYSIS. TRICKLE IRRIGATION SYSTEM DESIGN. SOIL EROSION & SEDIMENTATION, ESTIMATION PESTICIDE & CHEMICAL LOSSES FROM AGRICULTURAL WATERSHEDS.

NEWBURY RW : RIVER AND STREAM BEHAVIOUR AND HABITATS, FIELD EXPLORATION TECHNIQUES FOR CHARACTERIZING UNMAPPED WATERSHEDS AND STREAM CHANNELS, CHANNEL STABILITY, STREAM HYDROLOGY, DRAINAGE BASIN EXPLORATION.

TOPUSCHAK R : ALBERTA ENVIRONMENT TECHNICAL SERVICES DIVISION IS RESPONSIBLE FOR PROVIDING THE DEPARTMENT WITH ALL NECESSARY EXPERTISE IN RIVER FLOW FORECASTING RIVER ENGINEERING, SURFACE-WATER HYDROLOGY AND SURVEYING. IT COORDINATES THE OPERATIONS IN THE PHYSICAL ASSESSMENT OF THE OCCURENCE, CONTROL AND EFFECT OF SURFACE-WATER IN RELATION TO NATURAL PHENOMENA, MAN-MADE WORKS AND PROPOSED PROJECTS.

YOUNG GJ : HYDROLOGY OF MOUNTAIN AREAS WITH PARTICULAR EMPHASIS ON GLACIERS AS SOURCES OF STREAMFLOW AND AS INITIATORS OF CATASTROPHIC FLOODS. MASS-BALANCE, MONITORING.

HYDROMETEOROLOGIE

FORTIN JP : HYDROLOGIE; HYDROMETEOROLOGIE; PRECIPITATION; PLUIE; NEIGE; RUISSELLEMENT; DEBIT; ECOULEMENT; PHYSIOGRAPHIE; RIVIERE; BASSIN VERSANT; CRUE; INONDATION; TELEDETECTION EAU; SATELLITE EAU; INTEGRATION DES DONNEES; STATISTIQUE HYDROLOGIE; GESTION-EAU; PLANIFICATION-EAU; PREVISION EAU; DECISION EAU; PROTECTION EAU; CONTROLE-EAU; MODELE HYDROLOGIQUE; CEQUEAU MODELE; MODELE DETERMINISTE MAILLE-CARREAU; MODELE D AJUSTEMENT; PREVISION HYDROLOGIQUE; PREVISION ECOULEMENT; PREVISION TEMPS REEL; RESEAU HYDROLOGIQUE; PLUVIOMETRE; RADAR HYDROLOGIE; STATION-PLUVIOMETRIQUE; RESEAU RADAR METEOROLOGIE; PRECIPITATIONS-ACIDES; POLLUANTS-ATMOSPHERIQUES; TRANSPORT-A-LONGUE-DISTANCE; MODELE STATISTIQUE; DIFFUSION UNIDIMENSIONNEL; ANISOTROPIE-SPATIALE.

HYDROMETRIQUE

BOBEE BJY : HYDROLOGIE STATISTIQUE; HYDROSTATISTIQUE; ANALYSE STATISTIQUE; METHODE STATISTIQUE DEBIT EAU; ECOULEMENT EAU; CRUE PARAMETRE HYDROLOGIQUE; HYDROPARAMETRE RESEAU HYDROMETRIQUE; RESEAU HYDROLOGIQUE ACQUISITION-DE-DONNEES; RESEAU LOI STATISTIQUE; DISTRIBUTION STATISTIQUE; PEARSON-III; MODELE HYDROLOGIE.

PILON PJ : STATISTICAL MODELLING, PHYSICAL (CONCEPTUAL) MODELLING, DATA SCREENING, FLOOD FREQUENCY ANALYSIS, MICRO COMPUTER USER-FRIENDLY PROGRAMMING, REGRESSION ANALYSIS, FILLING-IN MISSING HYDROMETRIQUE RECORDS.

HYDROPARAMETRE

BOBEE BJY : HYDROLOGIE STATISTIQUE; HYDROSTATISTIQUE; ANALYSE STATISTIQUE; METHODE STATISTIQUE DEBIT EAU; ECOULEMENT EAU; CRUE PARAMETRE HYDROLOGIQUE; HYDROPARAMETRE RESEAU HYDROMETRIQUE; RESEAU HYDROLOGIQUE ACQUISITION-DE-DONNEES; RESEAU LOI STATISTIQUE; DISTRIBUTION STATISTIQUE; PEARSON-III; MODELE HYDROLOGIE.
MORIN G : HYDROLOGIE; MODELE HYDROLOGIE; CEQUEAU MODELE; MODELE STOCHASTIQUE; PLUIE DEBIT; PLUIE RUISSELLEMENT; COMPOSANTE PRINCIPALE; ONDE-DE-CRUE; CRUE PREVISION; CRUE CONTROLE; MODELE EMPIRIQUE; QUALITE EAU; MODELE-MATHEMATIQUE; MODELE UNIDIMENSIONNEL; PARAMETRE HYDROLOGIQUE; HYDROPARAMETRE.

HYDROSTATISTIQUE

BOBEE BJY : HYDROLOGIE STATISTIQUE; HYDROSTATISTIQUE; ANALYSE STATISTIQUE; METHODE STATISTIQUE DEBIT EAU; ECOULEMENT EAU; CRUE PARAMETRE HYDROLOGIQUE; HYDROPARAMETRE RESEAU HYDROMETRIQUE; RESEAU HYDROLOGIQUE ACQUISITION-DE-DONNEES; RESEAU LOI STATISTIQUE; DISTRIBUTION STATISTIQUE; PEARSON-III; MODELE HYDROLOGIE.
CLUIS D : HYDROLOGIE STATISTIQUE; HYDROSTATISTIQUE; ANALYSE STATISTIQUE; METHODE STATISTIQUE; SERIE DE TEMPS; PAS DE TEMPS COEFFICIENT, AUTOCORRELATION; AUTOCORRELATION BIAIS-RESIDUEL; SERIE CHRONOLOGIQUE; TEST DE TENDANCE; TEST D' INDEPENDANCE; MODELE HYDROLOGIE; MODELE CEQUEAU; MODELE DETERMINISTE; COUPLAGE QUANTITE-QUALITE; RESEAU HYDROLOGIE; ACQUISITION-DE-DONNEES.

HYPNACEAE

IRELAND RR : TAXONOMY OF THE MOSSES, THE DICRANACEAE, HYPNACEAE, PLAZIOTHECIACEAE & STEREOPHYLLACEAE.

HYPOXIA

DAVIES RW : INVESTIGATIONS OF THE ABUNDANCE AND DISTRIBUTION OF FRESHWATER BENTHIC MACROINVERTEBRATES. STUDIES ON PREDATOR AND PREY INTERACTIONS, SANGUIVORY AND THE EFFECTS OF HYPOXIA, AND ANOXIA HAVE BEEN CARRIED OUT.

ICE

ADAMS WP : ASPECT OF HYDROLOGY AND BIOLOGY INVOLVING SNOW AND ICE. STUDIES ON SNOW-COVER, LAKE ICE AND GLACIERS. STUDIES IN ARCTIC, SUBARCTIC AND COLD TEMPERATE REGIONS.
BELTAOS S : RIVER ICE BREAKUP AND ICE JAMS. FIELD OBSERVATIONS, LABORATORY AND THEORETICAL INVESTIGATIONS. MAIN CONCERNS: EFFECTS ON FLOODING AND ALLEVIATION MEASURES; SHORT AND LONG-TERM FORECASTING; ENVIRONMENTAL-ASSESSMENT.
CHAMP DH : ICE INFORMATION SERVICE FOR REAL-TIME DECISION MAKERS. RESEARCH & DEVELOPMENT TO SUPPORT SERVICE IMPROVEMENTS; MODELLING OF ICE; ICE REMOTE-SENSING & RELATED APPLICATIONS.
CHEE SP : HYDRAULICS OF ICE COVERED RIVERS. EROSION OF GRANULAR MATERIAL.
DICK TM : HYDRAULICS RESEARCH RELATED TO THE ENVIRONMENT: RIVER MECHANICS, DISPERSION SEDIMENT TRANSPORT, RIVER ICE, AIR, WATER INTERACTIONS, WAVE GENERATION, COASTAL ENGINEERING, SEDIMENTOLOGY, URBAN WATER-RESOURCES.
GARDNER JS : SNOW & ICE HYDROLOGY, GLACIOLOGY & EROSION IN HIGH MOUNTAIN AREAS. NATURAL HAZARDS (FLOODS, AVALANCHES, LANDSLIDES IN MOUNTAIN ENVIRONMENTS.
GILBERT R : STUDIES OF GLACIOMARINE ENVIRONMENTS IN ARCTIC & ALPINE REGIONS OF CANADA. WORK INCLUDES ANIMAL & SEDIMENT PROCESSES, THE ACTION OF SEA ICE.
GRAINGER EH : ARCTIC MARINE ZOOPLANKTON DISTRIBUTION AND ECOLOGY. COMPOSITION AND BIOLOGY OF THE ARCTIC SEA ICE FAUNA.
HSIAO SIC : PHYSIOLOGICAL ECOLOGY OF ARCTIC MARINE PHYTOPLANKTON, SEA ICE MICROALGAE AND SEAWEED.
KENNEY BC : PHYSICAL LIMNOLOGY OF PRAIRIE LAKES INCLUDING ASPECTS OF AIR & WATER INTERACTION, MIXING AND TURBULENCE, SEDIMENT RESUSPENSION AND LARGE SCALE LAKE CIRCULATION. EUTROPHICATION AND PHOSPHORUS DYNAMICS MODELS. WATER CIRCULATION UNDER WINTER ICE.
LOWRY RT : RADAR REMOTE-SENSING; ICE MANAGEMENT SYSTEMS; ATMOSPHERIC MODELLING; GROUNDWATER MODELLING GEOLOGICAL TESTING, LAND-USE MAPPING; WEATHER MODIFICATION; APPLIED MECHANICS.
PALMER JHL : EXPERTISE IN AVALANCHE HAZARDS & PREDICTION, FROST ACTION, ICE FORCES ON STRUCTURES, ICE PROPERTIES, PERMAFROST ENGINEERING, SLOPE STABILITY, THERMAL REGIME OF SOIL. HEAD, GEOTECHNICAL SECTION.
ROUSE WR : INTERACTION OF CLIMATE & SEA ICE IN HUDSON & JAMES BAYS. MODELLING CLIMATIC, HYDROLOGIC & VEGETATIONAL RELATIONS IN THE COASTAL SALT MARSHES. PREDICTING THE ENVIRONMENTAL-IMPACT OF RIVER DAMS & DIVERSION & CLIMATIC MODIFICATION IN JAMES-BAY & HUDSON BAY.

IMAGE-ANALYSIS

ALBERTA REMOTE SENSING CENTER : SPECIALTY SERVICE CENTRE ASSISTING ALBERTANS IN ACQUISITION, ANALYSIS & APPLICATION OF REMOTE-SENSING IMAGERY FROM AIRCRAFT & SATELLITE SYSTEMS. RESEARCH & OPERATIONS RELATED TO ENVIRONMENTAL & NATURAL RESOURCES ASSESSMENT. MAINTENANCE OF STATE-OF-THE-ART IMAGE-ANALYSIS FACILITY AVAILABLE FREE TO USERS.
MORRISSEY EG : SATELLITE METEOROLOGY. RESEARCH, APPLICATIONS, READOUT-SYSTEMS, IMAGE-ANALYSIS SYSTEMS; SATELLITE DATA ASSIMILATION.
MURTHA PA : REMOTE-SENSING & PHOTO INTERPRETATION: APPLICATION OF AERIAL-PHOTOGRAPHY, MULTISPECTRAL SCANNER, IMAGERY AND SATELLITE DATA FOR VEGETATION DAMAGE ASSESSMENT (INSECTS, DISEASE, AIR-POLLUTION) OR LAND-CLASSIFICATION AND TERRAIN ANALYSIS; COLOUR-INFRARED PHOTOGRAPHS; PC BASED IMAGE-ANALYSIS LANDSAT.

IMMUNOCYCYTOCHIMIQUES

OUELLETTE GB : PATHOLOGIE VEGETALE (SPECIALITE FORESTIERE): FLETRISSEMENTS-FONGIQUES (ORME, TOMATE, AUBERGINE). RELATIONS HOTE-PATHOGENE AU MOYEN: TECHNIQUES MICROSCOPIE ELECTRONIQUE (TRANSMISSION ET BALAYAGE ET MICROANALYSE) & IMMUNOCYCYTOCHIMIQUES. DETECTION DE SUBSTANCES ANTIFONGIQUES OU TOXIQUES. MYCOLOGIE.

IMMUNOLOGY

MIHOK S : RADIONUCLIDE TRANSPORT IN MAMMALS. RADIOECOLOGY OF RODENTS. HEMATOLOGY. PARASITOLOGY. IMMUNOLOGY. PATHOLOGY.

IMPACT-ASSESSMENT

BURTON I : RISK-ASSESSMENT, NATURAL HAZARDS. ENVIRONMENTAL HAZARDS & RISKS. PERCEPTION OF ENVIRONMENT. IMPACT-ASSESSMENT.
CROWDER A : UPTAKE OF METALS BY WETLAND PLANTS. IRON PLAQUES ON ROOTS. INVENTORY OF VEGETATION IN EUTROPHIC & OTHER WETLANDS. IMPACT-ASSESSMENT PARTICULARLY OF PARK USAGE, HERBARIUM CURATOR.
FINDLAY RL : RESEARCH IN ACID-DEPOSITION & ITS EFFECTS, FOREST & AGRICULTURE RECLAMATION; OIL & SALT WATER SPILL RECLAMATION; IMPACT-ASSESSMENT FOR OIL & GAS DEVELOPMENT; DECOMMISIONING PROGRAMS.
INSTITUTE FOR ENVIRONMENTAL STUDIE : ENVIRONMENTAL-MANAGEMENT INCLUDING ENVIRONMENTAL PERCEPTION, GREAT-LAKES ECOSYSTEMS REHABILITATION, CLIMATE IMPACT-ASSESSMENT IMPACT OF THIRD-WORLD URBANIZATION, RISK-ASSESSMENT, IMPACTS OF ACID-RAIN AND METALS ON BIOLOGICAL SYSTEMS, MODELLING PATHWAYS OF TOXIC SUBSTANCES, ENVIRONMENTAL-TOXICOLOGY.
JONES PH : STUDY, DESIGN AND OPERATION OF BIOLOGICAL WASTEWATER-TREATMENT, SOLID-WASTE MANAGEMENT, TOXIC AND HAZARDOUS-CHEMICALS, CHEMICAL-ACCIDENTS, ENVIRONMENTAL HEALTH IMPACT-ASSESSMENT. BIOLOGICAL REMOVAL ON PHOSPHORUS AND NITROGEN.
LANG RS : ENVIRONMENTAL & SOCIAL IMPACT-ASSESSMENT. INTEGRATED LAND AND WATER PLANNING. WASTE-MANAGEMENT PLANNING. INTEGRATED RESOURCE-MANAGEMENT. PLANNING THEORY & PRACTICE.
MARSAN A : IMPACT-ASSESSMENT, RISK-ANALYSIS, RESOURCE INVENTORIES AND SITE ROUTE SELECTION STUDIES FOR INDUSTRIES, PORTS, TRANSMISSION LINES ETC. DESIGNED & IMPLEMENTED DECONTAMINATION WASTE & WATER-TREATMENT PROJECTS.
MARSHALL DWI : ENVIRONMENTAL-PROTECTION, ENVIRONMENTAL ENGINEERING, ENVIRONMENTAL DESIGN, ENVIRONMENTAL AND SOCIAL IMPACT-ASSESSMENT, PUBLIC-PARTICIPATION, PROVISION OF TECHNICAL AND ADMINISTRATIVE ADVICE TO ENVIRONMENTAL REVIEW COMMISSIONS, CHAIRMAN OF PUBLIC REVIEW PANELS, POLICY FORMULATION, PROGRAM AND PROJECT MANAGEMENT. ARCTIC PILOT PROJECT.
MAYBANK J : RESEARCH IN CLOUD PHYSICS, INCLUDING WEATHER MODIFICATION AND IMPACT-ASSESSMENT FOR AGRICULTURE; AEROSOL AND SPRAY DROPLET DISSEMINATION, ESPECIALLY RELATED TO PESTICIDE SPRAY APPLICATION AND SPRAY DRIFT; AGROCLIMATOLOGY AND AIR-POLLUTION.
MITCHELL PA : LIMNOLOGY OF EUTROPHIC, SHALLOW LAKES; WATER-QUALITY MONITORING; IMPACT-ASSESSMENT OF SURFACE-WATERS; CHARACTERIZATION OF FLOWING WATERS.
NASSICHUK MD : IMPACT-ASSESSMENT OF PROPOSED INDUSTRIAL DEVELOPMENTS THAT COULD AFFECT WATER-QUALITY. INVESTIGATIVE PROGRAMS ON IMPACT OF SPECIFIC POLLUTANTS & CONTAMINANTS ON FISH (PACIFIC SALMON) & FISH-HABITAT. POLICY & LEGISLATIVE ADVISOR ON WATER-QUALITY ISSUES.
SCACE RC : MANAGEMENT, COORDINATION OF LARGE-SCALE MULTI-DISCIPLINARY STUDIES. HUMAN ECOLOGICAL AND LANDSCAPE ANALYSES. LAND-USE PLANNING, HERITAGE PARKS AND PROTECTED AREAS CONSERVATION, IMPACT-ASSESSMENT, RECREATIONAL STUDIES, EDITING, CONFERENCE PLANNING, PROJECT ASSESSMENT.
SERODES J : SEDIMENTATION AND DREDGING IN RIVERS AND ESTUARIES. WATER-QUALITY; SEDIMENT-QUALITY; DRINKING-WATER AND WASTEWATER-TREATMENT, IMPACT-ASSESSMENT ON AQUATIC-ECOSYSTEMS.
THOMPSON DC : LAND RECLAMATION; WILDLIFE; IMPACT-ASSESSMENT OF INDUSTRIAL DEVELOPMENTS.
THOMPSON JP : NATURAL-RESOURCE ECONOMICS (SPECIFICALLY THE SHADOW PRICING OF BIOPHYSICAL IMPACT INFORMATION FOR USE IN BENEFIT-COST-ANALYSIS), SOCIO-ECONOMIC IMPACT-ASSESSMENT, ECONOMIC FEASIBILITY STUDIES, RECREATION INVENTORY STUDIES.

IMPACT-ASSESSMENT

TREW DO : SURFACE-WATER QUALITY MANAGEMENT IN ALBERTA. LOCALIZED IMPACT-ASSESSMENT, GENERAL SURVEY PROGRAMS. MAINTENANCE OF LONG TERM MONITORING STATIONS. WATER-QUALITY ISSUES INCLUDE: EUTROPHICATION, ACIDIC DEPOSITION, IMPACTS FROM MUNICIPAL EFFLUENTS, INDUSTRIAL-EFFLUENTS & RESOURCE EXTRACTION. RIVER BASIN PLANNING; LAKE MANAGEMENT PLANNING.
UNDERWOOD JK : LIMNOLOGY; NUTRIENT ENRICHMENT & ACID-RAIN IMPACT-ASSESSMENT.

IMPACT-ENVIRONNEMENTAL

DELISLE CE : PRECIPITATIONS-ACIDES. METAUX-LOURDS: MERCURE, CADMIUM, ZINC, CUIVRE. ETUDES D' IMPACT-ENVIRONNEMENTAL.
GAGNON JY : ECOLOGIE VEGETALE. TELEDETECTION. ETUDES D' IMPACT-ENVIRONNEMENTAL. REVEGETATION DE SITES POLLUES. BIOACCUMULATION DE METAUX-LOURDS.
SASSEVILLE JL : IMPACT-ENVIRONNEMENTAL; ENVIRONNEMENT-AQUATIQUE; EVALUATION-DES-IMPACTS; ENVIRONNEMENT EAU; ECOSYSTEME AQUATIQUE; RESSOURCE EAU; GESTION-EAU; PLANIFICATION-EAU; ADMINISTRATION EAU; DEVELOPPEMENT EAU; DECISION EAU; PREVISION EAU; CONTROLE-EAU; EVALUATION RISQUE-ENVIRONNEMENT; UTILISATION EAU; UTILISATION ENVIRONNEMENT; UTILISATION RESSOURCE EAU; APPROCHE SYSTEMIQUE; METHODOLOGIE EVALUATION; ANALYSE DE SYSTEME.

INCINERATION

BAKER JR : ENGINEERING & CONSTRUCTION OF FLUIDIZED RATION BED INCINERATION ("SUPERBURN" PROCESS) FOR MUNICIPAL & INDUSTRIAL-WASTE SYSTEMS ARE HIGHLY EFFICIENT, WITH LITTLE OR NO ENVIRONMENTAL-CONTAMINATION.
ESPLIN GJ : DEVELOPMENT OF A NEW PROCESS FOR ACID-RAIN NEUTRALIZATION (LABORATORY KINETIC STUDIES). AIR-POLLUTION MONITORING & CONTROL TECHNOLOGIES. TOXIC-WASTE INCINERATION. BIOMASS GASIFICATION. NEW COMBUSTION TECHNOLOGY.
SIMPSON KJ : HAZARDOUS-WASTE MANAGEMENT: SITE SELECTION, PUBLIC PARTICIPATION, NEEDS STUDIES, FEASIBILITY STUDIES, TECHNOLOGY ASSESSMENT, SITE DEVELOPMENT, LEGISLATION. SOLID-WASTE MANAGEMENT, RECYCLING, INCINERATION, LANDFILLS, WASTE-DISPOSAL.

INCINERATORS

GOODINGS WD : USE OF QUARRIES & LINERS FOR LANDFILLS, ENERGY FROM WASTE OPPORTUNITIES; PRIVATE SECTOR FINANCING & OPERATION OF WASTE-MANAGEMENT SYSTEMS; HAZARDOUS-WASTE CLEANUP; PUBLIC PARTICIPATION PROGRAMS FOR SITING CONTROVERSIAL FACILITIES (LANDFILLS, INCINERATORS, HIGHWAYS).

INDONESIA

MCCONACHIE CEB : NOISE IMPACT OF AIRCRAFT OPERATION. AIR-POLLUTION DUE TO AIRCRAFT OPERATIONS AT AIRPORTS. MASTER PLANS FOR INTERNATIONAL AIRPORTS FOR JAKARTA, INDONESIA AND CUZCO, PERU. FEASIBILITY STUDY FOR INTERNATIONAL AIRPORT FOR ISLAMABAD, PAKISTAN. ENVIRONMENTAL IMPACT OF STOL OPERATIONS IN MONTREAL AND OTTAWA.
SCHWASS RD : CHAIRMAN, TASK FORCE ON CONSERVATION STRATEGY FOR NORTHERN CANADA; CHAIRMAN, ADVISORY COMMITTEE ON RESOURCE MANAGEMENT, BANFF CENTRE; ADVISOR, TO SEVERAL MINISTERS RESPONSIBLE FOR ENVIRONMENTAL POLICY, GOVERNMENT OF CANADA. MEMBER, INTL. ASSOC. OF UNIV. CONFERENCE ON ENVIRONMENTAL EDUCATION, BUDAPEST, OCT. 1983. CONSULTANT TO I.U.C.N. ON SUSTAINABLE DEVELOPMENT AND CONSERVATION STRATEGY IN PAKISTAN AND TANZANIA 1985-86; CONSULTANT TO THE MINISTRY OF POPULATION AND ENVIRONMENT, GOVERNMENT OF INDONESIA, 1985-86.
SPRATT ED : RAINFOREST CLEARING IN INDONESIA USING CHEMICAL POISONING OF ECONOMICAL TREES THEN PLANTING FAST-GROWING CREEPING LEGUME VINES TO OVERTAKE THE UNDERGROWTH. P & K FERTILIZERS ARE NEEDED. GRADUAL TAKEOVER OF LEGUMES BY ECONOMICAL CROPS (IE. OIL PALM) USING TOP KILLERS TO CONTROL LEGUME UNDERGROWTH. STOPS SOIL EROSION IN TRANSITION FROM FOREST TO CROPS.

INDOOR-AIR

DAY JH : INDOOR-AIR QUALITY; MOULD, FORMALDEHYDE & OTHER REACTANTS AND HUMAN HEALTH.
LAHAM S : INHALATION TOXICOLOGY (INDUSTRIAL/OCCUPATIONAL/ ENVIRONMENTAL). METABOLISM OF TOXIC AND CARCINOGENIC SUBSTANCES. PRODUCT SAFETY TOXICOLOGY. INDOOR-AIR QUALITY TOXICOLOGY. CHEMICAL CARCINOGENESIS. NEUROTOXICOLOGY.
NERI LC : ENVIRONMENTAL-POLLUTION, INDOOR-AIR, VDT'S & REPRODUCTIVE EPIDEMIOLOGY, LEAD, MAGNESIUM & HEART-DISEASE. CONDUCT OF EPIDEMIOLOGICAL-STUDIES, CRITICAL REVIEWS OF LITERATURE, DESIGN OF INVESTIGATIONS.
TOFT P : CONTAMINANTS IN DRINKING-WATER. CONTAMINANTS IN INDOOR-AIR. HAZARD EVALUATION. ASBESTOS. GUIDELINES FOR HUMAN EXPOSURE.
WILLIAMS DT : DEVELOPMENT OF SAMPLING AND ANALYTICAL METHODS FOR ENVIRONMENTAL ORGANIC CONTAMINANTS. MONITORING OF ORGANIC CONTAMINANTS IN DRINKING-WATER, INDOOR-AIR AND HUMAN TISSUES. REMOVAL OF ORGANIC CONTAMINANT FROM DRINKING-WATER.

INDOOR AIR

INDUSTRIAL

ALDI RG : ENVIRONMENTAL-ENGINEERING INVOLVING AIR-POLLUTION & AIR-POLLUTION CONTROL. ENVIRONMENTAL-MONITORING & ASSESSMENT. CONTROL DESIGN. INDUSTRIAL ODOUR ANALYSIS & SAMPLING.
ALLEN EAD : PHYSIOLOGY OF AQUATIC PLANTS. USE OF PLANTS FOR DEWATERING INDUSTRIAL TAILINGS THROUGH EVAPOTRANSPIRATION.
BANAS WP : AQUATIC TOXICOLOGY & CHEMICAL FATE INVESTIGATIONS. TOXICITY TESTING OF INDUSTRIAL EFFLUENTS (PULP & PAPER, MINING, STEEL MANUFACTURING). DEVELOPMENT OF A WATER-QUALITY AQUATIC ENVIRONMENT. TOXICITY OBJECTIVE REGARDING ALUMINUM IN THE EVALUATIONS OF PESTICIDES (ORGANOCHLORINE & ORGANOPHOSPHATE) & HEAVY-METALS USING RAINBOW-TROUT IN FLOW THROUGH & STATIC BIOASSAYS.
BARLISHEN WJ : RESEARCH, ANALYSIS OF CONSUMPTIVE WATER-USE (AGRICULTURAL, INDUSTRIAL, MUNICIPAL) IN ALBERTA. ECONOMIC ANALYSIS OF QUANTIFIABLE & NON QUANTIFIABLE BENEFIT-COST-ANALYSIS OF WATER-RESOURCE DEVELOPMENT & MANAGEMENT IN ALBERTA.
BIRKBECK AE : CHARACTERISATION & TREATMENT OF LANDFILL LEACHATE, ODOUR CONTROL AT LANDFILLS. INDUSTRIAL & MUNICIPAL WASTEWATER-TREATMENT, RECLAMATION & RECIRCULATION FOR FISH HATCHERIES. DESIGN & EVALUATION OF SMALL DISINFECTION UNITS, CHLORINE, OZONE & ULTRAVIOLET.
BOORMAN RS : RPC UNDERTAKES PROBLEM SOLVING RESEARCH & SERVICE WORK FOR INDUSTRY RELATING TO ENERGY, THE ENVIRONMENT, MATERIALS & INDUSTRIAL PRODUCTS, PROCESSES & NATURAL-RESOURCES.
BROWN WFM : INDUSTRIAL ENVIRONMENTAL-PLANNING AND CONTROL. AIR, WATER AND SOLID AND LIQUID-WASTE. BUFFER AREAS, LANDSCAPING.
CEROICI WJ : EVALUATING GROUNDWATER CONTAMINATION FROM WASTE-DISPOSAL FACILITIES & INDUSTRIAL PLANTS. DESIGN OF GROUNDWATER MONITORING SYSTEMS, COLLECTION & INTERPRETATION OF MONITORING DATA.
CHANDLER RL : GROUNDWATER CONTAMINATION FROM UNDERGROUND PETROLEUM STORAGE TANKS & INDUSTRIAL SOURCES. SITING & DESIGN OF MUNICIPAL OR INDUSTRIAL WASTEWATER STORAGE-PONDS.
CLEMENT RE : IMPROVED ANALYTICAL METHODS FOR THE QUALITATIVE & QUANTITATIVE ANALYSIS OF AIR, WATER, SOIL, BIOTA & INDUSTRIAL EFFLUENTS USING GAS-CHROMATOGRAPHY MASS-SPECTROMETRY. SPECIAL EMPHASIS ON ULTRA-TRACE ANALYSIS OF CHLORINATED DIBENZO-P-DIOXINS & CHLORINATED DIBENZOFURANS.
COAKLEY JP : POST-PLEISTOCENE AND MODERN EVOLUTION OF THE COASTAL ZONE, INCLUDING THE EFFECTS OF NATURAL AND MAN-INDUCED PROCESSES. BEACH AND SHORELINE COVERS IN THE FACE OF INDUSTRIAL AND RECREATIONAL DEVELOPMENT OF THE COASTAL ZONE.
DAVIS E : BIOLOGICAL WASTE-TREATMENT FOR DOMESTIC AND INDUSTRIAL APPLICATIONS. PREVENTION OR REDUCTION OF TOTAL TRIHALOMETHANES BY MEANS APPLICABLE TO UNSOPHISTICATED WATER-TREATMENT PLANTS. ENVIRONMENTAL-IMPACT-ASSESSMENT TECHNIQUES MICRO COMPUTER BASED.
DE'ATH CE : KOREA: RESEARCH ON POPULATION, AIR & WATER-QUALITY, NUCLEAR-WASTE, AGRICULTURE & INDUSTRIAL POLLUTION WILDLIFE. PAPUA-NEW-GUINEA: MANUS-ISLAND & FORESTRY DEVELOPMENT IMPACTS. CANADA: SOCIAL & ENVIRONMENTAL-ASSESSMENT (LAKE EUGENIA, NWT), ENERGY EDUCATION IN ONTARIO, MINING IN WINDIGO TRIBAL AREA OF NORTHERN ONTARIO.
FRIEDRICH FD : PILOT SCALE RESEARCH & FULL SCALE DEMONSTRATION ON ATMOSPHERIC FLUIDIZED BED COMBUSTION TO UTILIZE HIGH ASH, HIGH SULPHUR FUELS (COAL, REFINING RESIDUES) FOR INDUSTRIAL STEAM OR THERMAL POWER.
GEMMILL DA : AIR-POLLUTION CONTROL (SOURCE SAMPLING & INDUSTRIAL SOURCE CONTROL). WASTEWATER-TREATMENT, WASTE POLLUTION CONTROL.
GHENT M : RISK AND HAZARD ASSESSMENT AND MONITORING. ENVIRONMENTAL-ASSESSMENT. METEOROLOGY. DATA-BASE SERVICES. OCCUPATIONAL-HEALTH AND SAFETY. ENGINEERING AND INDUSTRIAL PROCESS. INSTRUMENTATION AND LABORATORY SERVICES.
GOUDEY JS : PHYSIOLOGICAL & BIOCHEMICAL RESPONSES OF PLANTS TO ENVIRONMENTAL STRESSES (AGRICULTURAL & INDUSTRIAL WASTES).
GOYETTE DE : MARINE ENVIRONMENTAL-IMPACT-ASSESSMENT AND POLLUTION-CONTROL; INDUSTRIAL AND MUNICIPAL DISCHARGES, PACIFIC COAST. SPECIFIC STUDIES ON THE PHYSICAL, CHEMICAL AND BIOLOGICAL IMPACTS OF MINE-TAILINGS AND EFFLUENTS FROM PULP-MILLS; TISSUE TRACE-METALS; MONITORING AND REGULATION COMPLIANCE; ENVIRONMENTAL-IMPACT-ASSESSMENT; PORT & HARBOURS; BIOLOGICAL EFFECTS OF ORGANIC CONTAMINANTS AND URBAN WASTES.
HRUDEY SE : INDUSTRIAL WASTE-MANAGEMENT, PETROLEUM, ORGANIC CHEMICAL, OIL-SANDS, FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION CONTROL; WATER RECLAMATION AND REUSE; HAZARDOUS TOXIC-WASTE, MANAGEMENT, DISPOSAL; INDUSTRIAL BIOTECHNOLOGY; ANAEROBIC TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT; RISK-ASSESSMENT; HAZARD IDENTIFICATION CONTROL.
KEFFER JF : RESEARCH IN FLUID MECHANICS, HYDRAULICS & TURBULENCE; NATURAL & INDUSTRIAL SITUATIONS. DISPERSION, DIFFUSION, MIXING, METEOROLOGICAL SITUATIONS WITHIN PLANETARY BOUNDARY LAYER. EXPERIMENTAL (LAB & FIELD STUDIES). NUMERICAL MODELLING. WIND EROSION OF MINE-TAILINGS, COAL PILES ETC.
KELLEY DG : ASSESSMENT & CONTROL OF HUMAN ACTIVITIES WHICH POSE ENVIRONMENTAL THREATS SUCH AS ACID-RAIN, TOXIC-CHEMICALS & HAZARDOUS-WASTES. SPECIFIC ACTIVITIES INCLUDE URBAN, INDUSTRIAL AND TRANSPORT.
KENNEDY KJ : RESEARCH IN CONVERSION OF INDUSTRIAL AND AGRICULTURAL WASTES TO METHANE IN ADVANCED ANAEROBIC REACTOR SYSTEMS.

INDUSTRIAL

KHALIL M : ORGANIC GEOCHEMISTRY OF SURFACE SEDIMENTS. ESTUARINE POLLUTION STUDIES INCLUDING THE CONTAMINATION OF MARINE ORGANISMS BY ORGANOHALOGENATED-COMPOUNDS AND POLYAROMATIC-HYDROCARBONS. TOXICOLOGICAL STUDIES OF INDUSTRIAL POLLUTANTS AND THEIR INTRODUCTION IN THE MARINE FOOD-CHAIN.

KHAN AW : ANAEROBIC CONVERSION OF CELLULOSIC WASTE OBTAINED FROM FORESTRY, AGRICULTURE, FARM, PAPER AND FOOD INDUSTRY AS WELL AS INDUSTRIAL AND MUNICIPAL SOLID-WASTE, TO FUELS AND CHEMICAL FEED STOCK.

KILBURN DG : LARGE SCALE CULTURE OF ANIMAL CELLS. PRODUCTION OF INDUSTRIAL ENZYMES (E.G. CELLULOSE) BY DNA TECHNOLOGY.

LANDINE RC : CONSULTING ENGINEERING FIRM WHICH HAS DEVELOPED EXPERTISE IN LOW RATE ANAEROBIC-WASTEWATER-TREATMENT OF INDUSTRIAL WASTEWATER, BIOGAS COLLECTION, BIOGAS HANDLING, BIOGAS UTILIZATION & FLOATING MEMBRANE COVER TECHNOLOGY.

LANDSBURG S : RECLAMATION OF DECOMMISSIONED INDUSTRIAL SITES.

LAPP PA : REMOTE-SENSING: AIRCRAFT & SATELLITE. SCIENCE POLICY, INDUSTRIAL STRATEGIES, TECHNOLOGY-TRANSFER. SENSOR-SYSTEMS, INSTRUMENTATION.

LEE GK : COMBUSTION OF LOW-GRADE FUELS IN INDUSTRIAL & UTILITY BOILERS USING LOW POLLUTING TECHNOLOGIES SUCH AS STAGED PULVERIZED COAL BURNERS, FLUIDIZED-BED COMBUSTORS AND COAL & LIQUID MIXTURES.

MAGILL BL : DEVELOPMENT AND IMPLEMENTATION OF AN AIR-QUALITY AND CLIMATOLOGY RESEARCH PROGRAM. RESEARCH WILL BE DIRECTED TOWARDS AIR-QUALITY CONCERNS INVOLVING SOUR GAS FLARING, FUGITIVE AND UNCONTROLLED EMISSIONS FROM INDUSTRIAL SOURCES URBAN AIR-QUALITY AND CLIMATE CHANGE AND VARIABILITY.

MCLELLAN AG : CENTRAL SCOTLAND: URBAN, INDUSTRIAL LAND REHABILITATION. GLACIAL GEOMORPHOLOGY IN SCOTLAND. AGGREGATE RESOURCES & EXTRACTION IN SCOTLAND.

MITCHELL H : WATER AND WASTE-TREATMENT. MUNICIPAL AND INDUSTRIAL PROCESSES.

NASSICHUK MD : IMPACT-ASSESSMENT OF PROPOSED INDUSTRIAL DEVELOPMENTS THAT COULD AFFECT WATER-QUALITY. INVESTIGATIVE PROGRAMS ON IMPACT OF SPECIFIC POLLUTANTS & CONTAMINANTS ON FISH (PACIFIC SALMON) & FISH-HABITAT. POLICY & LEGISLATIVE ADVISOR ON WATER-QUALITY ISSUES.

PIMENTA JA : SAMPLING & ANALYSIS OF INDUSTRIAL & DOMESTIC WASTE & LANDFILL MATERIALS FOR HAZARDOUS INORGANIC COMPONENTS. WASTE CHARACTERIZATION & CLASSIFICATION FOR REGULATORY PURPOSES.

ROBEY HL : INDUSTRIAL LIQUID AND SOLID WASTE-TREATMENT AND RECOVERY. WET AIR OXIDATION AND HIGH TEMPERATURE & PRESSURE CYANIDE HYDROLYSIS PROCESS APPLICATIONS RESEARCH. PROCESS DESIGN AND START-UP OF FULL SCALE SYSTEMS.

ROWSELL JA : CONSULTANT IN TERRESTRIAL-ECOLOGY: BIOCHEMICAL DYNAMICS; REMOTE-SENSING DATA-ANALYSIS; PHYTOTOXICOLOGY; INDUSTRIAL WASTE-MANAGEMENT; LAND APPLICATION OF WASTES; ENVIRONMENTAL-IMPACT-ASSESSMENT; ECOLOGICAL LAND-CLASSIFICATION; PEATLAND BIOLOGY; FLORA, FAUNA SURVEYS.

SHARIFF AJ : MONITOR TRACE LEVELS OF LOW MOLECULAR WEIGHT ORGANIC-COMPOUNDS IN INDUSTRIAL WASTEWATERS & RECEIVING MEDIA BY APPLICATION & MODERN ANALYTICAL TECHNIQUES. SPECIALIZATION IN ENVIRONMENTAL IMPACT OF PULP & PAPER MILL EFFLUENTS.

SHEWCHUK P : WASTEWATER MANAGEMENT. INDUSTRIAL PERFORMANCE STANDARDS. WATER-QUALITY RELATED ISSUES.

SMITH JW : INDUSTRIAL-HYGIENE ENGINEERING AND POLLUTION-CONTROL, CERTIFIED INDUSTRIAL HYGIENIST AND DESIGNATED SPECIALIST IN OCCUPATIONAL-HEALTH AND SAFETY, IMPACT AND RISK-ASSESSMENT, AIR-QUALITY MONITORING.

THOMPSON DC : LAND RECLAMATION; WILDLIFE; IMPACT-ASSESSMENT OF INDUSTRIAL DEVELOPMENTS.

THOMPSON JAJ : BIOGEOCHEMISTRY OF HEAVY-METALS RELATED TO INDUSTRIAL SOURCES: MINES, URBAN CENTRES. CHEMISTRY OF METAL BINDING PROTEINS. CHEMISTRY OF THERMAL VENT ORGANISMS.

VANLOON GW DR : EFFECTS OF INDUSTRIAL ACTIVITIES ON THE SOIL INCLUDING STUDIES ON ACID-RAIN, MINE-TAILINGS, SEWAGE SLUDGE. SOIL CHEMICAL PROCESSES. ENVIRONMENTAL TRACE-ELEMENT ANALYSIS.

WAN JKS : DISPOSAL OF CHEMICAL WASTE BY NOVEL MICROWAVE INDUCED CATALYTIC TECHNIQUES; DESTRUCTION OF PCBS. SOME OF OUR WORK HAS BEEN PUBLISHED IN OPEN AND PATENT LITERATURE. CURRENT RESEARCH USING THE MICROWAVE INDUCED CATALYTIC TECHNIQUES INCLUDES THE REMOVAL OF SULPHUR GASES IN INDUSTRIAL ENVIRONMENT.

WHITTLE DM : TRENDS IN CONTAMINANTS (PESTICIDES, INDUSTRIAL CHEMICALS AND TRACE-METALS) IN AQUATIC BIOTA FROM THE LAURENTIAN GREAT LAKES. DETERMINE THE IMPACT OF CONTAMINANT BURDENS ON THE AQUATIC-ECOSYSTEM.

WONG SL : ASSESS THE IMPACT OF TOXIC SUBSTANCES ON BIOTA IN BOTH SURFACE-WATERS & INDUSTRIAL WASTEWATERS USING ASSAY TECHNIQUES WITH ALGAE & ZOOPLANKTON AS TEST ORGANISMS.

YOUNG M : BACTERIAL POLLUTION OF SURFACE-WATERS & SEDIMENTS FROM FECAL (URBAN & RURAL) & INDUSTRIAL SOURCES; ANALYSIS & INTERPRETATION. DISPOSAL OF PATHOLOGICAL WASTE.

INDUSTRIAL-EFFLUENTS

GANCZARCZYK JJ : APPLICATION OF ACTIVATED SLUDGE PROCESS FOR TREATMENT OF SEWAGE & INDUSTRIAL-EFFLUENTS, INHIBITION OF NITRIFICATION, PHYSICAL BEHAVIOUR OF BIOLOGICAL FLOCS, ROLE OF SOLID SURFACE IN SUSPENDED GROWTH TREATMENT, ESTIMATION OF BIOMASS PRODUCTION & HAZARDOUS WASTE-TREATMENT & DISPOSAL.

QUARSHIE E : QUALITY CONTROL & QUALITY ASSURANCE FOR LABORATORY MEASUREMENTS & INDUSTRIAL-EFFLUENTS MONITORING PROGRAMS. HELP INDUSTRIES SET UP QUALITY CONTROL PROGRAMS FOR SAMPLING & ANALYSIS.

INDUSTRIAL-EFFLUENTS

TREW DO : SURFACE-WATER QUALITY MANAGEMENT IN ALBERTA. LOCALIZED IMPACT-ASSESSMENT, GENERAL SURVEY PROGRAMS. MAINTENANCE OF LONG TERM MONITORING STATIONS. WATER-QUALITY ISSUES INCLUDE: EUTROPHICATION, ACIDIC DEPOSITION, IMPACTS FROM MUNICIPAL EFFLUENTS, INDUSTRIAL-EFFLUENTS & RESOURCE EXTRACTION. RIVER BASIN PLANNING; LAKE MANAGEMENT PLANNING.

INDUSTRIAL-HYGIENE

DENMAN EW : AIR & WATER-POLLUTION; SOLID-WASTE MANAGEMENT; INDUSTRIAL-HYGIENE; COMPUTER APPLICATIONS; CHEMICAL ENGINEERING.

HOWARD TE : INDUSTRIAL-HYGIENE. ENVIRONMENTAL HEALTH STUDIES. AIR-POLLUTION STUDIES: IMPACT OF AIR EMISSIONS, ACID-RAIN, ODOUR CONTROL. MODELLING ATMOSPHERIC DISPERSION OF AIR-POLLUTANTS. WATER STUDIES. UPTAKE OF METALS BY AQUATIC ORGANISMS. BIOASSAYS. WASTEWATER-TREATMENT. REMOTE-SENSING. LANDFILL LEACHATE CONTROL.

SMITH JW : INDUSTRIAL-HYGIENE ENGINEERING AND POLLUTION-CONTROL, CERTIFIED INDUSTRIAL HYGIENIST AND DESIGNATED SPECIALIST IN OCCUPATIONAL-HEALTH AND SAFETY, IMPACT AND RISK-ASSESSMENT, AIR-QUALITY MONITORING.

VISWANATHAN S : PARTICULATE MEASUREMENT AND CONTROL, ODOUR MEASUREMENT AND CONTROL, TRACE-ELEMENT MEASUREMENT, DISPERSION MODELLING, INDUSTRIAL-HYGIENE MEASUREMENTS, HEATING AND VENTILATION, HAZARDOUS-WASTE AUDITS.

WOOD AG : PROTECTION OF HEALTH OF EMPLOYEES IN APPLICATION OF INDUSTRIAL-HYGIENE PRINCIPLES. DEVELOPMENT OF MATERIAL SAFETY DATA SHEETS AND TOXICOLOGY SUMMARIES FOR SYNTHETIC RUBBERS. COORDINATION OF WASTE-MANAGEMENT PROGRAMS AND MONITORING OF GOVERNMENTAL REGULATIONS.

INDUSTRIAL-WASTE

BAKER JR : ENGINEERING & CONSTRUCTION OF FLUIDIZED RATION BED INCINERATION ("SUPERBURN" PROCESS) FOR MUNICIPAL & INDUSTRIAL-WASTE SYSTEMS ARE HIGHLY EFFICIENT, WITH LITTLE OR NO ENVIRONMENTAL-CONTAMINATION.

INDUSTRIAL-WASTES

BROUGHTON ER : ENVIRONMENTAL-ASSESSMENT AND DESIGN ASSOCIATED WITH NATURAL RESOURCES AND INDUSTRY SPECIFICALLY FISH CULTURE, AND INDUSTRIAL-WASTES CONDITIONING AND RECOVERY.

DART FJ : POTABLE-WATER: CONTROL OF EXCESS INORGANICS PARTICULARLY BY SEQUESTRATION TECHNIQUES; CHEMICAL-ANALYSIS INTERPRETATION; CORROSION, FOULING AND CONTAMINANT SOURCE ASSESSMENTS; PURIFICATION ALTERNATIVES; CHEMISTRY ASSESSMENTS OF WASTEWATER, INDUSTRIAL-WASTES AND LANDFILL.

FORRESTAL BJ : REDUCTION, REUSE, RECYCLE, RECOVERY, EXCHANGE OF INDUSTRIAL-WASTES. REPORTS ON FOOD AND METAL FINISHING INDUSTRIES. LANDFILL GAS GENERATION. REGULATION COMPLIANCE CONSULTING AND TESTING. ENVIRONMENTAL SURVEYS. ONTARIO WASTE EXCHANGE OPERATION. NOVEL WASTE-TREATMENT USING PEAT.

HRUDEY SE : INDUSTRIAL WASTE-MANAGEMENT, PETROLEUM, ORGANIC CHEMICAL, OIL-SANDS, FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION CONTROL; WATER RECLAMATION AND REUSE; HAZARDOUS TOXIC-WASTE, MANAGEMENT, DISPOSAL; INDUSTRIAL BIOTECHNOLOGY; ANAEROBIC TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT; RISK-ASSESSMENT; HAZARD IDENTIFICATION CONTROL.

LUTWICH G : LAND SPREADING OF MUNICIPAL SEWAGE & INDUSTRIAL-WASTES; INVOLVING BIOLOGICAL TESTING OF WASTES FOR APPLICATION TO LAND.

RAO SS : MICROBIOLOGICAL WATER-QUALITY OF GREAT LAKES & ACID-STRESSED LAKES. MICROBIAL BIODEGRADATION. MICROBIAL TOXICITY SCREENING. MICROBIOLOGY OF SEWAGE. INDUSTRIAL-WASTES. MICROBES & ENVIRONMENTAL STRESS. DIAGNOSTIC ENTERIC BACTERIOLOGY. TOXIC METAL, MICROBES ASSOCIATION. ACTIVATED SLUDGE & VITAMIN B12.

SIMPSON F : POROSITY PERMEABILITY VARIATION IS RELATED TO LITHOLOGIC ASSOCIATIONS AND SEDIMENTARY STRUCTURE IN SEARCH RATIONALES, APPLIED TO RESERVOIR DEVELOPMENT IN EXPLOITATION OF HYDROCARBONS AND DEEP-WELL DISPOSAL OF FLUID, INDUSTRIAL-WASTES.

INDUSTRIELS

JAOUICH A : TERRES AGRICOLES CONTRAINTES GENERALES. PROPRIETES PHYSIQUES, CHIMIQUES, BIOLOGIQUES. PROBLEMES DE TRAITEMENT DE DECHETS-AGRICOLES, INDUSTRIELS ET URBAINS. SYSTEMES DE TRANSPORT ET ENTREPOSAGE DE SUBSTANCES-INFLAMMABLES.

INFECTIONS

CANTOR ED : NOSOCOMIAL INFECTIONS, INFECTIOUS DISEASE EPIDEMICS, INTOXICATIONS ETC. HEALTH RELATED ENVIRONMENTAL INVOLVEMENT IN EPIDEMIC OUTBREAKS.

INFECTIONS

MANKIEWICZ E : MICROBACTERIA: DIAGNOSIS OF INFECTIONS, TREATMENT, CLASSIFICATION OF MICROORGANISMS, PHAGETYPING FUNGI: DEEP MYCOTIC INFECTIONS. SEXUALLY-TRANSMITTED DISEASES: ORGANIZATION OF OUT PATIENT CLINICS, MICROBIOLOGICAL DIAGNOSIS, TREATMENT, PREVENTION (TEACHING).
ROZEE KR : ENVIRONMENTAL CHEMICAL ENHANCERS OF VIRUS INFECTIONS PUBLIC-HEALTH AND ENVIRONMENTAL CHEMICALS. EPIDEMIOLOGY OF VIRUS INFECTIONS IN NORTHERN CLIMATES.

INFORMATION

BOUCHARD R : CARTOGRAPHIE DES PARAMETRES ENVIRONNEMENTAUX DE L' ELEVAGE DU PORC A PARTIR D'UN SYSTEME D' INFORMATION A REFERENCE SPATIALE. CLASSIFICATION GENETIQUE DES CLIMATS DU SAGUENAY, LAC-ST-JEAN. L' AGRICULTURE A SAINTE-CATHERINE DE PORTNEUF: POLLUTANT DES SOURCES D' EAU-POTABLE. LES DEPOTOIRS DE NEIGE USEE DE CHICOUTIMI.
BYSTRAM AM : PROVIDES BIBLIOGRAPHIES: ANSWERS TECHNICAL INQUIRIES; MAKES REFERRALS TO ENVIRONMENTAL EXPERTS IN CANADA AND ABROAD. DIRECTOR, NATIONAL FOCAL POINT FOR INFOTERRA, THE INFORMATION REFERRAL SYSTEM OF UNEP.
CABLE DM : COMPILATION & DISSEMINATION OF GROUNDWATER INFORMATION, INCLUDING DRILLERS' REPORTS, WATER-CHEMISTRY, GEOPHYSICAL LOGS & GROUNDWATER INVESTIGATION REPORTS IN ALBERTA.
CASE JW : AIR-POLLUTION & ACID-PRECIPITATION BIOMONITORING: ENVIRONMENTAL-CONTAMINATION MONITORING PROGRAM DESIGN & IMPLEMENTATION; GEOBOTANICAL-PROSPECTING; MICRO COMPUTER APPLICATIONS FOR DATA COLLECTION, STATISTICAL-ANALYSIS, INFORMATION PRESENTATION & REDUCTION.
CHAMP DH : ICE INFORMATION SERVICE FOR REAL-TIME DECISION MAKERS. RESEARCH & DEVELOPMENT TO SUPPORT SERVICE IMPROVEMENTS; MODELLING OF ICE; ICE REMOTE-SENSING & RELATED APPLICATIONS.
DIMMA D : DETERMINES THE SENSITIVITY OF ONTARIO SOILS TO ACIDIC-PRECIPITATION. RESEARCH INCLUDES THE COLLECTION OF BASELINE SOIL INFORMATION, SIMULATED ACIDIC-PRECIPITATION EXPERIMENTS AND SOIL-BUFFERING CURVE EXPERIMENTS, AND THE ROLE THAT ACID-PRECIPITATION IS PLAYING IN MAPLE DECLINE IN ONTARIO.
GODBOUT G : BIBLIOGRAPHIES; DOCUMENTATION; INFORMATION SCIENTIFIQUE; TELEREFERENCE; REFERENCE; RENSEIGNEMENT TECHNIQUE; BANQUE-BIBLIOGRAPHIQUE AUTOMATISEE; ENVIRONNEMENT EAU; RESSOURCE EAU; ENVIRONNEMENT-AQUATIQUE; EAU RESSOURCE; ECOLOGIE EAU; ECOLOGIE-AQUATIQUE; HYDROLOGIE; LIMNOLOGIE; ASSAINISSEMENT-EAU; TRAITEMENT-EAUX-USEES.
MARSHALL KE : INFORMATION RETRIEVAL SPECIALIST ESPECIALLY IN THE SUBJECT AREA OF AQUATIC-BIOLOGY (PARTICULARLY FRESHWATER). EXPERT IN THE USE OF ONLINE DATA-BASES IN THE RETRIEVAL OF INFORMATION IN THIS AREA.
MCNEIL L : REGROUPEMENT D'ASSOCIATIONS DE VILLEGIATEURS 600 QUI TRAVAILLENT A LA PROTECTION DE L' ENVIRONNEMENT DES LACS ET A LA PROTECTION DE LA NATURE, POLLUTION DES LACS; REGENERATION DES RIVES. GROUPE DE PRESSION EN ENVIRONNEMENT. SENSIBILISATION, EDUCATION, INFORMATION.
MINISTERE LOISIR CHASSE ET PECHE : PARCS ET TERRITOIRES FAUNIQUES, FAUNE, FLORE ET HABITATS. PLANIFICATION, GESTION, AMENAGEMENT, INFORMATION, LEGISLATION ENVIRONNEMENTALE, RECHERCHE.
MOORE WC : SATELLITE IMAGE & AERIAL-PHOTO INTERPRETATION TECHNIQUES FOR ECONOMIC & OPERATIONAL MAPPING OF SIGNIFICANT DEPLETIONS IN FOREST RESOURCE INVENTORIES FOR GEOGRAPHIC INFORMATION SYSTEM INPUTS IN COLLABORATION WITH OTHER JURISDICTIONS.
RAISTRICK TN : REVIEW OF ENVIRONMENT CANADA'S ENVIRONMENTAL BASELINE INFORMATION SOURCES. NATIONAL INVENTORY OF BIOLOGICAL EFFECTS MONITORING PROGRAMS. ENVIRONMENTAL-IMPACT OF RESOURCE ROAD DEVELOPMENT. ENVIRONMENTAL-ASSESSMENT METHODS.
REID JR : LAND-USE INFORMATION SERIES OF MAPS COVERS NORTHWEST-TERRITORIES & YUKON EXCLUDING NORTHERN HIGH ARCTIC. INFORMATION PROVIDED IN TEXT & MAP FORM INCLUDES WIDE RANGE OF ENVIRONMENTAL & SOCIAL TOPICS.
SCOTT GW : RESEARCH INFORMATION ON ACID-RAIN: ATMOSPHERIC PROCESSES, AQUATIC EFFECTS (INCLUDES LAKE LIMING), TERRESTRIAL EFFECTS, SOCIO-ECONOMIC EFFECTS.
THOMPSON JP : NATURAL-RESOURCE ECONOMICS (SPECIFICALLY THE SHADOW PRICING OF BIOPHYSICAL IMPACT INFORMATION FOR USE IN BENEFIT-COST-ANALYSIS), SOCIO-ECONOMIC IMPACT-ASSESSMENT, ECONOMIC FEASIBILITY STUDIES, RECREATION INVENTORY STUDIES.

INFORMATION-SYSTEMS

BOYLE AR : AUTOMATED CARTOGRAPHY AND GEOGRAPHIC INFORMATION-SYSTEMS. HARDWARE AND SOFTWARE DESIGN AND FIELD APPLICATION OF SYSTEMS, WITH PARTICULAR EXPERTISE IN APPLICATIONS IN FOREST-MANAGEMENT.
BRYANT CR : RURAL DEVELOPMENT AND RURAL LAND-USE MANAGEMENT, ESPECIALLY IN RELATION TO AGRICULTURE AND RELATIONSHIPS WITH URBAN SYSTEMS. RURAL INFORMATION-SYSTEMS. RURAL DEVELOPMENT WITHIN REGIONAL DEVELOPMENT. RURAL RESOURCE CONSERVATION.
CRAIN IK : GEOGRAPHIC INFORMATION-SYSTEMS AS APPLIED TO RESOURCE-PLANNING AND MODELLING.
DEMAYD A : WATER-QUALITY MONITORING & SURVEYS. WATER-QUALITY OBJECTIVES. ENVIRONMENTAL DATA & MANAGEMENT INFORMATION-SYSTEMS. WATER-QUALITY DATA INTERPRETATION & REPORTING. ORGANIZATION & EVALUATION OF PROGRAMS.
GUTHRIE JE : GENERAL AND APPLIED ECOLOGY, WITH SPECIALIST EXPERTISE IN RADIATION ECOLOGY. AREAS OF RESEARCH INCLUDE ENVIRONMENTAL RADIATION MONITORING AND SURVEILLANCE, AND EFFECTS OF CHRONIC EXPOSURE TO RADIATION ON TERRESTRIAL-ECOSYSTEMS. GEOGRAPHIC INFORMATION-SYSTEMS.

INFORMATION-SYSTEMS

HAANA E : COMPUTER-MODELLING OF HAZARDOUS-WASTE, ACID-RAIN, WOOD ENERGY AND FISHERIES FOR POLICY AND DECISION ANALYSIS. DESIGN AND IMPLEMENTATION OF RESOURCE AND ENVIRONMENTAL MANAGEMENT PLANS AND REHABILITATION MEASURES. DEVELOPMENT OF ENVIRONMENTAL ANALYSIS METHODOLOGIES AND INFORMATION-SYSTEMS. BIOPHYSICAL INVENTORIES AND DATA-ANALYSIS FOR BACKGROUND TO PLANNING INITIATIVES.
SMITH LF : EPIDEMIOLOGICAL-STUDIES: POPULATION BASED INFORMATION-SYSTEMS FOR ONTARIO INCLUDING CANCER & REPRODUCTIVE OUTCOMES. POPULATION MONITORING FOR LEAD & PCBS. OUTBREAK INVESTIGATIONS.
THIE J : LANDSCAPE ECOLOGY, ECOLOGICAL RESEARCH. LAND-USE MONITORING, REMOTE-SENSING, LAND-CAPABILITY INVENTORIES, RESOURCE-MANAGEMENT, ENVIRONMENTAL-IMPACT-ASSESSMENT, GEO INFORMATION-SYSTEMS.

INFOTERRA

BYSTRAM AM : PROVIDES BIBLIOGRAPHIES; ANSWERS TECHNICAL INQUIRIES; MAKES REFERRALS TO ENVIRONMENTAL EXPERTS IN CANADA AND ABROAD. DIRECTOR, NATIONAL FOCAL POINT FOR INFOTERRA, THE INFORMATION REFERRAL SYSTEM OF UNEP.

INLET

LOVETT AM : AIR-MONITORING & SAMPLING INLET ENGINEERING.

INONDATION

FORTIN JP : HYDROLOGIE; HYDROMETEOROLOGIE; PRECIPITATION; PLUIE; NEIGE; RUISSELLEMENT; DEBIT; ECOULEMENT; PHYSIOGRAPHIE; RIVIERE; BASSIN VERSANT; CRUE; INONDATION; TELEDETECTION EAU; SATELLITE EAU; INTEGRATION DES DONNEES; STATISTIQUE HYDROLOGIE; GESTION-EAU; PLANIFICATION-EAU; PREVISION EAU; DECISION EAU; PROTECTION EAU; CONTROLE-EAU; MODELE HYDROLOGIQUE; CEQUEAU MODELE; MODELE DETERMINISTE MAILLE-CARREAU; MODELE D AJUSTEMENT; PREVISION HYDROLOGIQUE; PREVISION ECOULEMENT; PREVISION TEMPS REEL; RESEAU HYDROLOGIQUE; PLUVIOMETRE; RADAR HYDROLOGIE; STATION-PLUVIOMETRIQUE; RESEAU RADAR METEOROLOGIE; PRECIPITATIONS-ACIDES; POLLUANTS-ATMOSPHERIQUES; TRANSPORT-A-LONGUE-DISTANCE; MODELE STATISTIQUE; DIFFUSION UNIDIMENSIONNEL; ANISOTROPIE-SPATIALE.

INORGANIC

COOK RH : AQUACULTURE DEVELOPMENT (ATLANTIC SALMON, AMERICAN LOBSTER, SEA SCALLOPS) GROWTH & REPRODUCTIVE PHYSIOLOGY, DISEASE & NUTRITION, DIET FORMULATIONS, METHODS OF DISEASE-PREVENTION, GENETICS. POLLUTION EFFECTS ON FISH: ECOLOGICAL STUDIES, SUBLETHAL BIOLOGICAL EFFECTS, METHODS, DETECTION & ANALYSIS OF TRACE ORGANIC & INORGANIC TOXIC-CHEMICALS.
MACKO SA : NITROGEN GEOCHEMISTRY OF MARINE SEDIMENTS AND PETROLEUM; EARLY DIAGENESIS OF ORGANIC MATTER; RESOLUTION OF FOOD-WEBS & ORIGINS OF STROMATOLITES THROUGH STABLE ISOTOPE ANALYSIS; KINETIC-ISOTOPIC FRACTIONATION OF ORGANIC AND INORGANIC SUBSTRATES.
MOON KS : SURFACE CHEMISTRY IN WASTEWATER CLEANING, DESULPHURIZATION OF COAL, MINERAL PROCESSING, FLOCCULATION, FILTRATION, DEWATERING, SETTLING AND DRYING; CRYSTAL CHEMISTRY IN SURFACTANT ADSORPTION AND DESORPTION; AND VARIOUS SOLUTION CHEMISTRY OF ORGANICS AND INORGANIC MATERIALS.
PIMENTA JA : SAMPLING & ANALYSIS OF INDUSTRIAL & DOMESTIC WASTE & LANDFILL MATERIALS FOR HAZARDOUS INORGANIC COMPONENTS. WASTE CHARACTERIZATION & CLASSIFICATION FOR REGULATORY PURPOSES.
RYGIEL EK : DEVELOPMENT OF MONOCLONAL ACTIVITIES FOR DIAGNOSTIC FITS. DEVELOPMENT OF METHODOLOGIES FOR THE DETECTION OF TRACE AMOUNTS OF ORGANIC & INORGANIC SUBSTANCES.
SANDERSON HP : ENVIRONMENTAL-HEALTH; ATMOSPHERIC-CHEMISTRY: ORGANIC & INORGANIC; OCCUPATIONAL-HEALTH & WORK ENVIRONMENT. CRITERIA DOCUMENTATION, STANDARDIZATION, METHODOLOGY, ETC.

INSECT

FAULKNER P : MOLECULAR GENETICS OF INSECT BACULOVIRUSES. PHYSICAL MAPPING OF BACULOVIRUS GENOMES. USE OF THE BACULOVIRUS AS AN EXPRESSION VECTOR OF FOREIGN DNA. MOLECULAR BASIS OF VIRUS VIRULENCE AND HOST RANGE.
MAUN MA : POPULATION-DYNAMICS AND PHYSIOLOGICAL ECOLOGY OF VEGETATION ON LAKE HURON SAND-DUNES, INSECT & PLAN INTERACTIONS ON SAND-DUNE SYSTEMS. RECOLONIZATION OF SAND-DUNE SYSTEMS.

INSECT

RETNAKARAN A : INSECT PHYSIOLOGY: GROWTH & DEVELOPMENT (INSECT HORMONES & INSECT GROWTH REGULATORS). DEVELOPMENT OF HORMONE ANALOGS, MOULT INHIBITORS & CHITIN SYNTHESIS INHIBITORS AS CONTROL AGENTS FOR FOREST-INSECT PESTS. STUDY OF CHITIN SYNTHESIS & BIOCHEMISTRY OF THE SYNTAETIC STEPS. ELECTRON MICROSCOPY, AUTORADIOGRAPHY & CELLULAR LOCALIZATION OF THE CHITIN SYNTHESIS PROCESS.
SANDERS CJ : BEHAVIOUR OF MOTHS IN RESPONSE TO SEX PHEROMONES AND IN DISPERSAL; ALSO ON INSECT POPULATION DYNAMICS. DEVELOPMENT OF INSECT MONITORING SYSTEMS (TRAPPING) AND POPULATION REGULATIONS (DISRUPTION OF MATING) USING SEX PHEROMONES.
STEVENSON AB : INTEGRATED PEST-MANAGEMENT OF VEGETABLE INSECT PESTS WITH EMPHASIS ON INSECTS ATTACKING CROPS.
SZETO SY : TRANSLOCATION, METABOLISM AND DEGRADATION OF PESTICIDES IN SOIL AND IN VEGETABLE AND SMALL FRUIT CROPS; CHEMICAL ASPECTS OF NATURAL ATTRACTANTS OF THESE CROPS TO INSECT PESTS. PUBLICATIONS AVAILABLE.
TURNOCK WJ : POPULATION-DYNAMICS OF INSECTS. NATURAL & BIOLOGICAL CONTROL OF INSECTS. COLD-HARDINESS & OVERWINTERING OF INSECTS. SAMPLING INSECT POPULATIONS.

INSECT-CONTROL

CHARNETSKI WA : RELATIONSHIP OF AERIAL & GROUND APPLICATION OF AGRICULTURAL SPRAYS TO INSECT-CONTROL & PLANT DENSITY TO CROP CANOPY PENETRATION ON ALFALFA & CEREALS. EVALUATION OF INSECTICIDES & THEIR SAFETY TO BENEFICIAL INSECTS INCLUDING LEAFCUTTER-BEES. INSECTICIDE RESIDUE DYNAMICS IN TERRESTRIAL & AQUATIC-ECOSYSTEMS.
RING RA : ECOLOGY AND PHYSIOLOGY OF OVERWINTERING BIOLOGY IN ARCTIC AND ALPINE-INSECTS. ECOLOGY OF INTERTIDAL INSECTS. USE OF PHEROMONES IN INSECT-CONTROL.
WHITNEY HS : EVALUATION OF ENTOMOPATHOGERIC FUNGI FOR INSECT-CONTROL IN CONIFEROUS FORESTS.

INSECTES

FERNET L : EFFETS DU DDT SUR INSECTES AQUATIQUES (ODONATES) EN GASPESIE.
HARDY Y : PROTECTION DES FORETS CONTRE LES INSECTES ET LES MALADIES; EPIDEMIOLOGIE ET LES MOUVEMENTS DES POPULATIONS D'INSECTES AINSI QUE L'ETUDE DES CHAMPIGNONS-PATHOGENES. LA CULTURE DE SEMIS EN CONTENEURS, LA SYLVICULTURE DES RESINEUX ET DES FEUILLUES, LA TELEDETECTION, LA GENETIQUE.
JOBIN LJ : DEVELOPPEMENT DE PIEGES A INSECTES ET DE RESEAUX PERMETTANT LA DETECTION ET LA SURVEILLANCE D' INSECTES INVISIBLES AUX FORETS ET A L' AGRICULTURE. PIEGES A PHEROMONES SEXUELLES ET PIEGES-LUMINEUX. ENTOMOLOGIE FORESTIERE. PROTECTION DES FORETS.
LACHANCE D : RESPONSABLE D'UN SERVICE DE RELEVE ANNUEL DES INSECTES ET DES MALADIES DES ARBRES PAR TOUTE LA PROVINCE DE QUEBEC. ESTIMONS L'IMPACT DES RAVAGEURS SUR LA PRODUCTION EN FIBRES LIGNEUSES DES FORETS. PRODUISONS DES RAPPORTS ANNUELS ET PONCTUELS.
PHILOGENE BJR : LUTTE CONTRE LES INSECTES. UTILISATION DES PESTICIDES ET LEUR IMPACT; LUTTE INTEGREE.
VALERO JR : LUTTE MICROBIOLOGIQUE CONTRE LES INSECTES NUISIBLES. APPLICATION OPERATIONNELLE DE BACILLUS THURINGIENSIS POUR LE CONTROLE DES LEPIDOPTERES UTILISATION DES VIRUS ENTOMOPATHOGENES, EN PARTICULIER LES BACULOVIRUS POUR LA REPRESSION A COURT ET A LONG TERMES DES INSECTES. PATHO-BIOCHIMIE DES INSECTES.

INSECTICIDE

CHARNETSKI WA : RELATIONSHIP OF AERIAL & GROUND APPLICATION OF AGRICULTURAL SPRAYS TO INSECT-CONTROL & PLANT DENSITY TO CROP CANOPY PENETRATION ON ALFALFA & CEREALS. EVALUATION OF INSECTICIDES & THEIR SAFETY TO BENEFICIAL INSECTS INCLUDING LEAFCUTTER-BEES. INSECTICIDE RESIDUE DYNAMICS IN TERRESTRIAL & AQUATIC-ECOSYSTEMS.
DOWNER RGH : EFFECTS OF INSECTICIDES AND OTHER AGRICULTURAL CHEMICALS ON METABOLISM AND CONCENTRATION OF MONOAMINES IN THE NERVOUS-SYSTEMS OF TARGET AND NON-TARGET ANIMALS; CORRELATIONS BETWEEN MONOAMIN LEVELS AND BEHAVIOUR; INSECTICIDE DEVELOPMENT.
NAZIR M : IMPACT OF FORESTRY OPERATION ON ENVIRONMENT. ENVIRONMENTAL-IMPACT OF HERBICIDE & INSECTICIDE USE.
PEARCE PA : IMPACT OF TOXIC-CHEMICALS ON WILDLIFE, WITH PARTICULAR REFERENCE TO EFFECTS OF INSECTICIDE SPRAYING ON FOREST PASSERINES. PESTICIDE ECOLOGY.
PREE DJ : INSECTICIDE RESISTANCE & MANAGEMENT STUDIES WITH TREE FRUIT INSECTS.
WESTCOTT ND : DEVELOPMENT OF PROCEDURES FOR THE EXTRACTION AND ANALYSIS OF ORGANOCHLORINE, ORGANOPHOSPHORUS, CARBAMATE AND PYRETHROID INSECTICIDES IN PLANTS, WATER, SOIL AND INSECTS. DETERMINE THE PERSISTENCE OF INSECTICIDE IN PLANTS, WATER, SOIL OR INSECTS UNDER LABORATORY OR FIELD CONDITIONS.

INSECTICIDES

AHMAD I : METHODS DEVELOPMENT & TRACE RESIDUE ANALYSIS OF PESTICIDES (HERBICIDES, INSECTICIDES, PLANT GROWTH REGULATORS), METABOLITES, PCBS, ORGANICS IN ENVIRONMENTAL & AGRICULTURAL MATRICES. ORGANIC SYNTHESIS. REACTIONS IN ORGANIC-CHEMISTRY.

INSECTICIDES

CHARNETSKI WA : RELATIONSHIP OF AERIAL & GROUND APPLICATION OF AGRICULTURAL SPRAYS TO INSECT-CONTROL & PLANT DENSITY TO CROP CANOPY PENETRATION ON ALFALFA & CEREALS. EVALUATION OF INSECTICIDES & THEIR SAFETY TO BENEFICIAL INSECTS INCLUDING LEAFCUTTER-BEES. INSECTICIDE RESIDUE DYNAMICS IN TERRESTRIAL & AQUATIC-ECOSYSTEMS.
CHENG HH : BIOLOGY, POPULATION-DYNAMICS, CHEMICAL AND BIOLOGICAL CONTROL OF INSECTS ATTACKING TOBACCO AND PEANUT CROPS; ASSESSMENT OF CROP LOSSES. WITHOUT THE USE OF INSECTICIDES. INTEGRATED PEST-MANAGEMENT FOR VEGETABLE AND FRUIT CROPS.
CUNNINGHAM JC : PRACTICAL USE OF VIRUSES FOR CONTROL OF FOREST-INSECT PESTS; FORMULATION & APPLICATION OF VIRAL INSECTICIDES; PRODUCTION OF VIRUSES USING HOST INSECT LARVAE. REGISTRATION OF VIRAL INSECTICIDES & COMMERCIALIZATION OF BIOCONTROL PRODUCTS.
CURRIE RA : MONITORING OF FOODS FOR PESTICIDE RESIDUES INCLUDING ORGANOCHLORINE AND ORGANOPHOSPHORUS INSECTICIDES AND VARIOUS HERBICIDES.
DOWNER RGH : EFFECTS OF INSECTICIDES AND OTHER AGRICULTURAL CHEMICALS ON METABOLISM AND CONCENTRATION OF MONOAMINES IN THE NERVOUS-SYSTEMS OF TARGET AND NON-TARGET ANIMALS; CORRELATIONS BETWEEN MONOAMIN LEVELS AND BEHAVIOUR; INSECTICIDE DEVELOPMENT.
KHACHATOURIANS GG : ASSESSMENT OF MICROBIAL TOXINS FOUND IN THE ENVIRONMENT. WORK ON MYCOTOXINS T-2, VOMITOXIN, BACILLUS THURINGIENSIS, DELTA TOXIN & ENTEROTOXINS ON INVERTEBRATES IN NATURAL ENVIRONMENTS. ANALYSIS OF POTENTIAL ENVIRONMENTAL TOXICANTS BY MICROBIAL MUTAGENICITY TESTS. EPIDEMIOLOGY OF ENTEROTOXIGENIC E.-COLI IN HUMAN & ANIMAL ENVIRONMENTS. PERSISTANCE OF MICROBIAL INSECTICIDES IN THE AGRICULTURAL ENVIRONMENT.
READ DC : PERSISTENCE OF PESTICIDES IN SOIL. RESISTANCE OF INSECTS TO INSECTICIDES AND MICROBIAL DEGRADATION OF PESTICIDES IN SOIL AND WATER.
SINGH RP : STUDIES ON THE EFFECTS OF ENVIRONMENTAL POLLUTANTS (INSECTICIDES, LEAD, MANGANESE) AND CHEMICALS (PLATINUM, CAFFEINE, LSD ETC.) ON THE GENETIC MATERIAL.
SMITH TD : EFFECTS OF INSECTICIDES ON NON-TARGET SOIL FAUNA.
WESTCOTT ND : DEVELOPMENT OF PROCEDURES FOR THE EXTRACTION AND ANALYSIS OF ORGANOCHLORINE, ORGANOPHOSPHORUS, CARBAMATE AND PYRETHROID INSECTICIDES IN PLANTS, WATER, SOIL AND INSECTS. DETERMINE THE PERSISTENCE OF INSECTICIDE IN PLANTS, WATER, SOIL OR INSECTS UNDER LABORATORY OR FIELD CONDITIONS.

INSECTS

CHARNETSKI WA : RELATIONSHIP OF AERIAL & GROUND APPLICATION OF AGRICULTURAL SPRAYS TO INSECT-CONTROL & PLANT DENSITY TO CROP CANOPY PENETRATION ON ALFALFA & CEREALS. EVALUATION OF INSECTICIDES & THEIR SAFETY TO BENEFICIAL INSECTS INCLUDING LEAFCUTTER-BEES. INSECTICIDE RESIDUE DYNAMICS IN TERRESTRIAL & AQUATIC-ECOSYSTEMS.
CHENG HH : BIOLOGY, POPULATION-DYNAMICS, CHEMICAL AND BIOLOGICAL CONTROL OF INSECTS ATTACKING TOBACCO AND PEANUT CROPS; ASSESSMENT OF CROP LOSSES. WITHOUT THE USE OF INSECTICIDES. INTEGRATED PEST-MANAGEMENT FOR VEGETABLE AND FRUIT CROPS.
DOANE JF : BIOLOGY, BEHAVIOUR AND CONTROL OF WIREWORMS, GROUND BEETLES AND OTHER SOIL INSECTS. IMPACT OF PESTICIDES ON NON-TARGET ORGANISMS PARTICULARLY IN CROP ECOSYSTEMS.
KELLEHER JS : BIOLOGICAL CONTROL OF PEST INSECTS BY IMPORTATION OF EXOTIC SPECIES OF NATURAL ENEMIES FROM OTHER COUNTRIES.
KEVAN DK : BIOSYSTEMATICS AND ECOLOGY OF ORTHOPTEROID INSECTS (LOCUSTS, GRASSHOPPERS, CRICKETS, COCKROACHES, TERMITES AND NEUROPTEROID INSECTS (LACEWING-FLIES) SOIL FAUNA STUDIES (ECOLOGY OF MICROARTHROPODS) AND MYRIAPODS RELEVANCE OF ENTOMOLOGICAL FOLKLORE AND CUSTOMS TO SCIENTIFIC ENTOMOLOGY.
MURTHA PA : REMOTE-SENSING & PHOTO INTERPRETATION: APPLICATION OF AERIAL-PHOTOGRAPHY, MULTISPECTRAL SCANNER, IMAGERY AND SATELLITE DATA FOR VEGETATION DAMAGE ASSESSMENT (INSECTS, DISEASE, AIR-POLLUTION) OR LAND-CLASSIFICATION AND TERRAIN ANALYSIS; COLOUR-INFRARED PHOTOGRAPHS; PC BASED IMAGE-ANALYSIS LANDSAT.
PREE DJ : INSECTICIDE RESISTANCE & MANAGEMENT STUDIES WITH TREE FRUIT INSECTS.
READ DC : PERSISTENCE OF PESTICIDES IN SOIL. RESISTANCE OF INSECTS TO INSECTICIDES AND MICROBIAL DEGRADATION OF PESTICIDES IN SOIL AND WATER.
ROSENBERG DM : DESIGN OF ENVIRONMENTAL-IMPACT STUDIES; EFFECTS OF ENVIRONMENTAL DISTURBANCES ON MACROBENTHIC INVERTEBRATES; SAMPLING METHODS & DESIGN OF SAMPLING PROGRAMS FOR MACROBENTHOS; ECOLOGY OF CHIRONOMIDAE; AQUATIC INSECTS OF FRESHWATER WETLANDS.
STEVENSON AB : INTEGRATED PEST-MANAGEMENT OF VEGETABLE INSECT PESTS WITH EMPHASIS ON INSECTS ATTACKING CROPS.
STEWART DB : BIOLOGICAL AND LIMNOLOGICAL INVENTORY OF LAKES IN THE NORTHWEST TERRITORIES; ZOOGEOGRAPHY, ECOLOGY, LIFE-HISTORY, AND PARASITISM OF ARCTIC FRESHWATER ANADROMOUS, AND MARINE FISHES; ZOOPLANKTON, PHYTOPLANKTON, AQUATIC INSECTS, AND WATER-CHEMISTRY OF ARCTIC LAKES; PHOTOGRAPHIC RECORD.
TU CM : INTERACTION BETWEEN PESTICIDES AND SOIL MICROORGANISMS. DEVELOPMENT OF FUNGICIDE RESISTANT RHYZOBIAL BACTERIA. FEASIBILITY OF USING ENTOMOPHTHORA-MUSCAL TO CONTROL DIPTEROUS INSECTS.
TURNOCK WJ : POPULATION-DYNAMICS OF INSECTS. NATURAL & BIOLOGICAL CONTROL OF INSECTS. COLD-HARDINESS & OVERWINTERING OF INSECTS. SAMPLING INSECT POPULATIONS.
WESTCOTT ND : DEVELOPMENT OF PROCEDURES FOR THE EXTRACTION AND ANALYSIS OF ORGANOCHLORINE, ORGANOPHOSPHORUS, CARBAMATE AND PYRETHROID INSECTICIDES IN PLANTS, WATER, SOIL AND INSECTS. DETERMINE THE PERSISTENCE OF INSECTICIDE IN PLANTS, WATER, SOIL OR INSECTS UNDER LABORATORY OR FIELD CONDITIONS.

INSECTS

WIGGINS GB : RESEARCH CONCERNED WITH BIOSYSTEMATICS OF TRICHOPTERA (CADDISFLIES), AN ORDER OF AQUATIC INSECTS IMPORTANT IN THE TRANSFER OF ENERGY AND NUTRIENTS IN ALL TYPES OF FRESHWATER HABITATS.

INSTRUMENTATION

CARTER JA : BENTHIC ECOLOGY; ENVIRONMENTAL-MONITORING & IMPACT ASSESSMENT; HYDROCARBON MONITORING; DIVER INSTRUMENTATION.
DAUGHARTY DA : INFLUENCE OF FOREST COVER AND MESO-SCALE TOPOGRAPHIC CHARACTERISTICS ON SNOW COVER; INSTALLATION & MAINTENANCE OF METEOROLOGICAL & HYDROMETRIC INSTRUMENTATION, PROGRAMMING OF DATA LOGGERS. ENERGY BALANCE DETERMINATION IN A FORESTED ENVIRONMENT.
GHENT M : RISK AND HAZARD ASSESSMENT AND MONITORING. ENVIRONMENTAL-ASSESSMENT. METEOROLOGY. DATA-BASE SERVICES. OCCUPATIONAL-HEALTH AND SAFETY. ENGINEERING AND INDUSTRIAL PROCESS. INSTRUMENTATION AND LABORATORY SERVICES.
GUEVREMONT R : REFERENCE MATERIALS PREPARATION AND ANALYSIS. TRACE ANALYTICAL METHODS FOR ORGANICS AND METALS IN MARINE SAMPLES. METHODS AND INSTRUMENTATION FOR GFAAS AND ICP EMISSION SPECTROMETRY. MICROPROCESSORS FOR CONTROL OF HARDWARE AND DATA ACQUISITION.
HALL RJ : LARGE-SCALE PHOTOGRAPHY & DIGITAL IMAGE ANALYSIS RESEARCH, PHOTO-MENSURATION, AERIAL-PHOTOGRAPHY SYSTEMS & INSTRUMENTATION DEVELOPMENT (EG. CAMERA CONTROL), STATISTICAL & SAMPLING DESIGN & ANALYSIS, AERIAL PHOTO FLIGHT PLANNING, TECHNOLOGY-TRANSFER.
ISAAC GA : RESEARCH ON CLOUD PHYSICS, CLOUD CHEMISTRY, AEROSOL PHYSICS, ACID-RAIN, MESOSCALE METEOROLOGY, WEATHER RADAR, WEATHER MODIFICATION, CLOUD CLIMATOLOGY & AIRCRAFT METEOROLOGICAL INSTRUMENTATION.
JAMES W : URBAN HYDROLOGY, STORMWATER MANAGEMENT, FIELD INSTRUMENTATION, COMPUTER-MODELLING, STORM MODELS WATER-QUALITY MODELLING.
LAPP PA : REMOTE-SENSING: AIRCRAFT & SATELLITE. SCIENCE POLICY, INDUSTRIAL STRATEGIES, TECHNOLOGY-TRANSFER. SENSOR-SYSTEMS, INSTRUMENTATION.

INTERNATIONAL

BIRD PM : RETIRED PUBLIC SERVANT, FORMERLY WITH NATIONAL RADIATION PROTECTION & ENVIRONMENT & ASSESSMENT PROGRAMS. CO-AUTHORED CANADIAN STATE OF ENVIRONMENT REPORT. REPRESENTED CANADA AT INTERNATIONAL ENVIRONMENTAL POLICY MEETINGS.
BOSTON NEJ : PHYSICAL OCEANOGRAPHY; AIR & SEA INTERACTION AND TURBULENCE; MICROMETEOROLOGY OIL-SPILL CONTINGENCY-PLANNING; PLANNING AND EXECUTION OF INTERNATIONAL RESEARCH PROGRAMS: TEACHING OF UNDERGRADUATE GRADUATE OCEANOGRAPHY COURSES; DEVELOPMENT OF OCEANOGRAPHY PROGRAMS FOR DEVELOPING-COUNTRIES AND UNIVERSITIES. RESOURCE DATA-BASE DEVELOPMENT. COMPUTERIZED RESOURCE & SENSITIVITY-MAPPING.
DWIVEDI OP : ENVIRONMENTAL POLICY PLANNING AND MANAGEMENT, ENVIRONMENTAL-LEGISLATION, ACCOUNTABLE ENVIRONMENTAL-MANAGEMENT, INTERGOVERNMENTAL AND INTERNATIONAL ENVIRONMENTAL RELATIONS, NORTH-SOUTH ENVIRONMENTAL RELATIONS, AND ENVIRONMENTAL ADMINISTRATION. ENVIRONMENTAL MENTAL ETHICS. POVERTY AND POLLUTION. RELIGIOUS IMPERATIVES TO ENVIRONMENTAL CRISIS.
HANSON AJ : FISHERIES COASTAL ZONE AND OCEAN MANAGEMENT. RESOURCE ECOLOGY AND DEVELOPMENT. FOREST BIOMASS FOR ENERGY. INTERNATIONAL DEVELOPMENT AND THE ENVIRONMENT WITH EXPERTISE IN SOUTHEAST ASIA AND CARIBBEAN.
MANITOBA NATURALISTS SOCIETY : FIVE ACTION COMMITTEES MONITOR THE ENVIRONMENT OF MANITOBA IN PARTICULAR, BUT ALSO STUDY NATIONAL AND INTERNATIONAL ISSUES. THEY ARE PARKS, WILDLIFE, URBAN-ENVIRONMENT, HABITAT CONSERVATION AND ENVIRONMENTAL ACTION. VARIOUS POSITION PAPERS AND BRIEFS ARE WRITTEN REGARDING ENVIRONMENTAL ISSUES AND BROUGHT FORWARD TO THE GOVERNMENT AND INDUSTRY RESPONSIBLE. HECLA ISLAND MANAGEMENT PLAN, LOGGING IN ATIKAKI WILDERNESS AREA, CITY OF WINNIPEG RIVERS AND STREAM AUTHORITY, HYDRO ELECTRIC DEVELOPMENT (CONAWAPA) AND STORAGE OF NUCLEAR-WASTE.
MARTIN HC : RESPONSIBLE FOR COORDINATION OF FEDERAL ACID-RAIN RESEARCH PROGRAM AND INTERGOVERNMENTAL AND INTERNATIONAL PROJECTS. DUTIES INCLUDE RESEARCH, MANAGEMENT, ASSESSMENT, POLICY DEVELOPMENT.
MCADIE HG : AIR-MONITORING SURVEYS. ANALYTICAL METHODS FOR AIR-POLLUTION MEASUREMENT. ATMOSPHERIC TRANSPORT. INTERNATIONAL STANDARDS.
MCCONACHIE CEB : NOISE IMPACT OF AIRCRAFT OPERATION. AIR-POLLUTION DUE TO AIRCRAFT OPERATIONS AT AIRPORTS. MASTER PLANS FOR INTERNATIONAL AIRPORTS FOR JAKARTA, INDONESIA AND CUZCO, PERU. FEASIBILITY STUDY FOR INTERNATIONAL AIRPORT FOR ISLAMABAD, PAKISTAN. ENVIRONMENTAL IMPACT OF STOL OPERATIONS IN MONTREAL AND OTTAWA.
WRIGHT DS : ENVIRONMENTAL-ASSESSMENT AND IMPACT EVALUATION. PRIVATE-SECTOR EXPERIENCE IN APPLICATION OF ENVIRONMENTAL-ASSESSMENT METHODS TO LARGE-SCALE ENERGY PROJECTS, AND PUBLIC SECTOR EXPERIENCE IN DEVELOPMENT OF ENVIRONMENTAL-ASSESSMENT AND REVIEW PROCEDURES FOR CANADIAN AND INTERNATIONAL AID PROJECTS. EXPERIENCE IN POLICY FORMULATION, PLANNING AND ISSUE MANAGEMENT.

INTERNATIONAL-JOINT-COMMISSION

EDWARDS CJ : A MEMBER OF THE SECRETARIAT PROVIDING BIOLOGICAL EXPERTISE TO THE INTERNATIONAL-JOINT-COMMISSION AND ITS WATER-QUALITY BOARD AND SCIENCE ADVISORY BOARD.

INTERNATIONALE

LAPOINTE L : COORDINATION TECHNIQUE DU DOSSIER DES PRECIPITATIONS-ACIDES; MAINTIEN ET MISE A JOUR DE LA BANQUE-INFORMATISEE INTERNATIONALE SUR LES PRECIPITATIONS-ACIDES (ACIDOC).

INTERNATIONAUX

BELAND M : RELEVANT DE LA DIRECTION GENERALE DE LA RECHERCHE, LA DIVISION DE RECHERCHE EN PREVISION NUMERIQUE SITUEE A DORVAL DOIT CONCEVOIR, DEVELOPPER ET FOURNIR LES MODELES DE PREVISION NUMERIQUE DU TEMPS (PNT) ET LES MODELES D' ASSIMILATION DES DONNEES ET PARAMETRES NECESSAIRES A LEUR FONCTIONNEMENT AU CMC. LA DIVISION POURSUIT EGALEMENT UN PROGRAMME IMPORTANT DE RECHERCHE FONDAMENTALE SUR LES METHODES NUMERIQUES, LE PARAMETRAGE DES ECHELLES NON-RESOLUES PAR LES MODELES ACTUELS DE PNT ET SUR L' ASSIMILATION ET L'ANALYSE DES DONNEES METEOROLOGIQUES. LES RESULTATS DE CES TRAVAUX FONT L' OBJET DE COMMUNICATIONS SCIENTIFIQUES ORALES ET ECRITES DANS DES REVUES ET CONGRES SCIENTIFIQUES NATIONAUX ET INTERNATIONAUX.

INTERPRETATION

CERDICI WJ : EVALUATING GROUNDWATER CONTAMINATION FROM WASTE-DISPOSAL FACILITIES & INDUSTRIAL PLANTS. DESIGN OF GROUNDWATER MONITORING SYSTEMS, COLLECTION & INTERPRETATION OF MONITORING DATA.
DART FJ : POTABLE-WATER: CONTROL OF EXCESS INORGANICS PARTICULARLY BY SEQUESTRATION TECHNIQUES; CHEMICAL-ANALYSIS INTERPRETATION; CORROSION, FOULING AND CONTAMINANT SOURCE ASSESSMENTS; PURIFICATION ALTERNATIVES; CHEMISTRY ASSESSMENTS OF WASTEWATER, INDUSTRIAL-WASTES AND LANDFILL.
DEMAYD A : WATER-QUALITY MONITORING & SURVEYS. WATER-QUALITY OBJECTIVES. ENVIRONMENTAL DATA & MANAGEMENT INFORMATION-SYSTEMS. WATER-QUALITY DATA INTERPRETATION & REPORTING. ORGANIZATION & EVALUATION OF PROGRAMS.
DYCK W : DEVELOPMENT OF HYDROGEOCHEMICAL EXPLORATION TECHNIQUES & INSTRUMENTS. DETECTION & INTERPRETATION OF RADON & HELIUM ANOMALIES IN THE NATURAL ENVIRONMENT.
FORMAN RM : AERIAL-PHOTO INTERPRETATION: MILITARY PHOTO INTELLIGENCE; METEOROLOGICAL SATELLITE PHOTO INTERPRETATION: REPRODUCTION AND DISTRIBUTION OF WEATHER SATELLITE IMAGERY: FACSIMILE TRANSMISSION AND RECEPTION EQUIPMENTS: PUBLISHED A GUIDE TO THE INTERPRETATION OF SATELLITE CLOUD PHOTOS.
FRASER AD : ANALYSIS & INTERPRETATION IN CLINICAL FORENSIC TOXICOLOGY. PHARMACOKINETIC STUDIES. DRUG INTERACTIONS.
GERATH RF : AERIAL-PHOTOGRAPHY INTERPRETATION FOR GEOTECHNICAL ENGINEERING AND RELATED ENVIRONMENTAL STUDIES. SPECIALIST IN ROUTE/SITE-LOCATION STUDIES, LANDSLIDES AND SNOW AVALANCHE HAZARD EVOLUTIONS.
GRAHAM R : MARINE CONSERVATION, PARKS & PROTECTED AREAS. VISITOR MANAGEMENT, INTERPRETATION VISITOR SERVICES, PUBLIC SAFETY, EDUCATION IN MARINE AQUATIC PARKS & COASTAL AREAS.
MOORE WC : SATELLITE IMAGE & AERIAL-PHOTO INTERPRETATION TECHNIQUES FOR ECONOMIC & OPERATIONAL MAPPING OF SIGNIFICANT DEPLETIONS IN FOREST RESOURCE INVENTORIES FOR GEOGRAPHIC INFORMATION SYSTEM INPUTS IN COLLABORATION WITH OTHER JURISDICTIONS.
MURTHA PA : REMOTE-SENSING & PHOTO INTERPRETATION: APPLICATION OF AERIAL-PHOTOGRAPHY, MULTISPECTRAL SCANNER, IMAGERY AND SATELLITE DATA FOR VEGETATION DAMAGE ASSESSMENT (INSECTS, DISEASE, AIR-POLLUTION) OR LAND-CLASSIFICATION AND TERRAIN ANALYSIS; COLOUR-INFRARED PHOTOGRAPHS; PC BASED IMAGE-ANALYSIS LANDSAT.
NIEMELA UE : WATER-QUALITY MONITORING & ANALYSIS, ANALYSIS OF WATER, SEDIMENTS & BIOTA. WATER-QUALITY ASSESSMENT & INTERPRETATION. WATER-QUALITY OBJECTIVES & GUIDELINES DEVELOPMENT. WATER-POLLUTION CONTROL. TOXIC-CHEMICALS MANAGEMENT.
WHITTAM RF : ENVIRONMENTAL AWARENESS PROGRAMS FOR THE GENERAL PUBLIC AND FOR SCHOOLS; PLANNING WILDLIFE INTERPRETATION PROGRAMS, DESIGNING WILDLIFE ORIENTED DISPLAYS AND BROCHURES. MINOR RESEARCH PROJECTS IN FIELD BIOLOGY AND ECOLOGY.
YOUNG M : BACTERIAL POLLUTION OF SURFACE-WATERS & SEDIMENTS FROM FECAL (URBAN & RURAL) & INDUSTRIAL SOURCES: ANALYSIS & INTERPRETATION. DISPOSAL OF PATHOLOGICAL WASTE.

INTRACELLULAR

RANDALL DJ : CARBON-DIOXIDE & OXYGEN TRANSFER & ACID-BASE REGULATION IN FISH & AMPHIBIA. INTERACTIONS BETWEEN AMMONIA, CARBON-DIOXIDE & ION MOVEMENT ACROSS FISH GILLS. STUDIES ON FISH & AMPHIBIAN ERYTHROCYTE INTRACELLULAR PH REGULATION.

INVENTAIRE

NOBREGA G : DOCUMENTATION, RENSEIGNEMENT, TELEREFERENCE EN ENVIRONNEMENT. PRODUCTEUR DE LA BANQUE-BIBLIOGRAPHIQUE AUTOMATISEE ENVIRONMENTALE SUR L' INVENTAIRE BIOPHYSIQUE DU QUEBEC. RESPONSABLE CENTRE DE DOCUMENTATION.

PAULIN G : INVENTAIRE DE DOXINES & FURANNES, EFFETS SUR LA SANTE, INVENTAIRE SUR LES COMPOSES-ORGANIQUES-VOLATILS; ETUDES SUR LES HYDROCARBURES-POLYNUCLEAIRES-AROMATIQUES, ETUDES SUR LE BRUIT-COMMUNAUTAIRE, EVOLUTION DE LA QUALITE DE L' AIR AU QUEBEC, EFFET DU CHAUFFAGE-AU-BOIS.

INVENTORIES

BARKER DJ : PRACTICAL APPLICATIONS OF ECOLOGICAL CLASSIFICATION. SILVICULTURE PLANNING AND IMPLEMENTATION, INCLUDING REFORESTATION, STAND-TENDING AND REHABILITATION. WOOD RELATED INVENTORIES: BIOMASS; SAWN AND PULP PRODUCTS; FUELWOOD. FOREST-MANAGEMENT PLANNING; TIMBER YIELD ANALYSIS BY COMPUTER.

GARTNER LEE ASSOCIATES LTD : CONSULTANTS: HYDROGEOLOGY, ENVIRONMENTAL GEOLOGY, TERRAIN EVALUATION, BIOLOGY, INVENTORIES, ASSESSMENTS, AGGREGATES, ENGINEERING & GEOLOGY, GEOTECHNICAL STUDIES.

HAANA E : COMPUTER-MODELLING OF HAZARDOUS-WASTE, ACID-RAIN, WOOD ENERGY AND FISHERIES FOR POLICY AND DECISION ANALYSIS. DESIGN AND IMPLEMENTATION OF RESOURCE AND ENVIRONMENTAL MANAGEMENT PLANS AND REHABILITATION MEASURES. DEVELOPMENT OF ENVIRONMENTAL ANALYSIS METHODOLOGIES AND INFORMATION-SYSTEMS. BIOPHYSICAL INVENTORIES AND DATA-ANALYSIS FOR BACKGROUND TO PLANNING INITIATIVES.

MARSAN A : IMPACT-ASSESSMENT, RISK-ANALYSIS, RESOURCE INVENTORIES AND SITE ROUTE SELECTION STUDIES FOR INDUSTRIES, PORTS, TRANSMISSION LINES ETC. DESIGNED & IMPLEMENTED DECONTAMINATION WASTE & WATER-TREATMENT PROJECTS.

MOORE WC : SATELLITE IMAGE & AERIAL-PHOTO INTERPRETATION TECHNIQUES FOR ECONOMIC & OPERATIONAL MAPPING OF SIGNIFICANT DEPLETIONS IN FOREST RESOURCE INVENTORIES FOR GEOGRAPHIC INFORMATION SYSTEM INPUTS IN COLLABORATION WITH OTHER JURISDICTIONS.

REES HW : LAND RESOURCE INVENTORIES IN NEW-BRUNSWICK. IDENTIFICATION, DESCRIPTION & DELINEATION ON MAPS OF CONTRASTING SEGMENTS OF THE LANDSCAPE BASED ON DIFFERENTIATING CRITERIA AS REQUIRED FOR VARIOUS LAND USES.

THIE J : LANDSCAPE ECOLOGY, ECOLOGICAL RESEARCH. LAND-USE MONITORING, REMOTE-SENSING, LAND-CAPABILITY INVENTORIES, RESOURCE-MANAGEMENT, ENVIRONMENTAL-IMPACT-ASSESSMENT, GEO INFORMATION-SYSTEMS.

WELCH W : PLANT ECOLOGY, WETLAND FOREST SUCCESSION, PLANT SUCCESSION FOLLOWING RIGHT OF WAY CONSTRUCTION, VEGETATION MANAGEMENT ON ELECTRICAL TRANSMISSION RIGHTS OF WAY, VEGETATION INVENTORIES, COAL FLY-ASH RECLAMATION AND EROSION CONTROL.

INVENTORY

ACHUFF PL : RESEARCH & INVENTORY STUDIES IN PLANT ECOLOGY VEGETATION DESCRIPTION & ANALYSIS; NATURAL RESOURCE INVENTORY AND MONITORING, CONSERVATION ECOLOGY & MANAGEMENT; PARKS, ECOLOGICAL RESERVES & NATURAL AREAS.

BOYD FC : SENIOR MANAGER, ADMINISTRATION TECHNICAL SUPERVISION, MULTIPLE RESOURCE USE, FISH-HABITAT PROTECTION AND MANAGEMENT. ENVIRONMENTAL-IMPACT-ASSESSMENTS; MULTIPLE USE PLANNING AND POLICY DEVELOPMENT. HABITAT INVENTORY, RESTORATION AND DEVELOPMENT PLANNING.

CROWDER A : UPTAKE OF METALS BY WETLAND PLANTS. IRON PLAQUES ON ROOTS. INVENTORY OF VEGETATION IN EUTROPHIC & OTHER WETLANDS. IMPACT-ASSESSMENT PARTICULARLY OF PARK USAGE, HERBARIUM CURATOR.

HINDS HR : IDENTIFICATION AND DISTRIBUTION OF NEW-BRUNSWICK VASCULAR PLANTS. INVENTORY & PROTECTION OF SIGNIFICANT NATURAL AREAS IN NEW-BRUNSWICK. RARE & ENDANGERED-PLANTS (VASCULAR) IN NEW-BRUNSWICK.

LLOYD K : WILDLIFE POPULATION & HABITAT RESEARCH & MANAGEMENT: INVENTORY PROGRAM, PROBLEM WILDLIFE RESEARCH & MANAGEMENT SURVEY TECHNIQUE RESEARCH & MANAGEMENT PLANS.

MCKIBBEN L : ENVIRONMENTAL INVENTORY AND ANALYSIS. ENVIRONMENTAL-IMPACT PREDICTION AND MITIGATION. ENVIRONMENTAL-PLANNING AND MANAGEMENT. LAND-USE REGULATION. ENVIRONMENTALLY SENSITIVE & SIGNIFICANT AREA PROTECTION. HAZARD LAND REGULATION. TRANSPORTATION & UTILITY CORRIDOR PLANNING & MANAGEMENT.

MURRAY DR : INVENTORY OF CANADIAN ACTIVITIES RELATED TO SOIL & WATER LIMITATIONS, DEGRADATION, CONSERVATION, IMPROVEMENT, RECLAMATION. ACTIVITIES ASSOCIATED WITH MINING, AGRICULTURE, FORESTRY, ENERGY, TRANSPORTATION, CONSTRUCTION, ETC.

POLLOCK WS : FOREST RESEARCH AND MANAGEMENT SPECIALIZING IN PRIVATE LAND. POLICY, SILVICULTURE, REFORESTATION, REVEGETATION, FOREST INVENTORY, GROWTH STUDIES.

RAISTRICK TN : REVIEW OF ENVIRONMENT CANADA'S ENVIRONMENTAL BASELINE INFORMATION SOURCES. NATIONAL INVENTORY OF BIOLOGICAL EFFECTS MONITORING PROGRAMS. ENVIRONMENTAL-IMPACT OF RESOURCE ROAD DEVELOPMENT. ENVIRONMENTAL-ASSESSMENT METHODS.

REID RH : MAPPING TECHNICIAN SPECIALIZING IN THE CANADA LAND INVENTORY PROGRAM SOIL, TERRAIN, WILDLIFE, VEGETATION & OTHER RESOURCE MAPPING.

RICHARDSON J : SCIENTIFIC ADVICE IN CANADIAN FORESTRY SERVICE RESEARCH IN THE FIELD OF FOREST PRODUCTIVITY, INCLUDING FOREST INVENTORY, GROWTH & YIELD, REMOTE-SENSING, THINNING, FERTILIZATION, MODELLING & IN FOREST BIOMASS PRODUCTION.

INVENTORY

SIBUL U : WASTE-SITE INVENTORY & EVALUATION STUDIES IN ONTARIO. WASTE-SITE CLASSIFICATION. ACTIVE & CLOSED WASTE-SITE PROBLEM IDENTIFICATION & STUDIES.
SIMS MP : PROVINCIAL RESEARCH PROGRAMS ON ACID-DEPOSITION, AIR-QUALITY & CLIMATE, RECLAMATION, WATER-RESOURCES; WATER-TREATMENT & WASTE-MANAGEMENT, ENVIRONMENTAL CONTAMINANTS. INTERESTS IN RISK-ASSESSMENT, BIOTECHNOLOGY & LAND RESOURCE INVENTORY.
SIMS RA : VEGETATION AND SITE-CLASSIFICATION OF BOREAL-FORESTS. SUBARCTIC WETLAND AND ARCTIC TUNDRA AREAS. FOREST-ECOSYSTEM CLASSIFICATION OF BOREAL NORTHERN ONTARIO. REMOTE-SENSING FOR VEGETATION STUDY; MAPPING AND INVENTORY (USING SATELLITE AND AERIAL-PHOTO DATA).
SINGLETON GA : ACID-DEPOSITION: EFFECTS ON FORESTED SYSTEMS; RECLAMATION OF DISTURBANCES FROM SURFACE MINING, OIL-SANDS DEVELOPMENT & OIL & GAS INDUSTRIES; BIOTECHNOLOGY, RESOURCE INVENTORY & TECHNOLOGY-TRANSFER; GEOSCIENCE INVESTIGATIONS. TERRESTRIAL BASED RESEARCH.
STEWART DB : BIOLOGICAL AND LIMNOLOGICAL INVENTORY OF LAKES IN THE NORTHWEST TERRITORIES: ZOOGEOGRAPHY, ECOLOGY, LIFE-HISTORY, AND PARASITISM OF ARCTIC FRESHWATER ANADROMOUS, AND MARINE FISHES; ZOOPLANKTON, PHYTOPLANKTON, AQUATIC INSECTS, AND WATER-CHEMISTRY OF ARCTIC LAKES; PHOTOGRAPHIC RECORD.
STEWART JM : PRODUCTION ACCUMULATION DYNAMICS OF PEATLAND; PEAT-CLASSIFICATION AND INVENTORY TECHNIQUES (REMOTE-SENSING); ECOLOGY OF WILD-RICE. UNGULATE RESPONSE TO HABITAT MANIPULATION; ECOLOGY OF HYDRO TRANSMISSION RIGHTS OF WAY.
THOMPSON JP : NATURAL-RESOURCE ECONOMICS (SPECIFICALLY THE SHADOW PRICING OF BIOPHYSICAL IMPACT INFORMATION FOR USE IN BENEFIT-COST-ANALYSIS), SOCIO-ECONOMIC IMPACT-ASSESSMENT, ECONOMIC FEASIBILITY STUDIES. RECREATION INVENTORY STUDIES.

INVERTEBRATE

DERMOTT RM : ENVIRONMENTAL-ASSESSMENT OF LAKE & STREAM INVERTEBRATE POPULATIONS. TAXONOMY OF LAKE BENTHIC INVERTEBRATES. FEEDING & GROWTH RATES.
DINGLE AD : STUDY OF AMEOBO-FLAGELLATE-PROTOZOANS & THEIR POTENTIAL PATHOGENICITY TO INVERTEBRATE & VERTEBRATE ORGANISMS.
KINGSBURY PD : ENVIRONMENTAL-IMPACT OF FORESTRY PESTICIDES IN TERMS OF EFFECTS ON FISH, AQUATIC INVERTEBRATE, SONGBIRD AND TERRESTRIAL INVERTEBRATE POPULATIONS AND THEIR ECOLOGICAL RELATIONSHIPS.
SLY PG : GEOLOGY OF LARGE LAKE SYSTEMS. SEDIMENT WATER INTERACTIONS INCLUDING TOXIC & NUTRIENT CONTAMINANTS, DREDGING & MATERIAL DISPOSAL, SEDIMENT EROSION, DEPOSITION & TRANSPORT. AQUATIC HABITATS & SEDIMENT BIOTA (INVERTEBRATE & FISH) INTERACTIONS.

INVERTEBRATES

DERMOTT RM : ENVIRONMENTAL-ASSESSMENT OF LAKE & STREAM INVERTEBRATE POPULATIONS. TAXONOMY OF LAKE BENTHIC INVERTEBRATES. FEEDING & GROWTH RATES.
HAVAS M : EFFECTS OF LOW PH AND METALS (A1, 2N, NI, FE, CA, ETC) ON SURVIVAL, REPRODUCTION, SODIUM REGULATION CHEMICAL-COMPOSITION OF AQUATIC INVERTEBRATES FROM BOTH ARCTIC (SMOKING HILLS, NWT) AND TEMPERATE REGIONS. METAL CONTENT AND LOCALIZATION IN AQUATIC MACROPHYTES. EFFECTS OF ALUMINUM ON SUGAR-MAPLE DIEBACK.
KHACHATOURIANS GG : ASSESSMENT OF MICROBIAL TOXINS FOUND IN THE ENVIRONMENT. WORK ON MYCOTOXINS T-2, VOMITOXIN, BACILLUS THURINGIENSIS, DELTA TOXIN & ENTEROTOXINS ON INVERTEBRATES IN NATURAL ENVIRONMENTS. ANALYSIS OF POTENTIAL ENVIRONMENTAL TOXICANTS BY MICROBIAL MUTAGENICITY TESTS. EPIDEMIOLOGY OF ENTEROTOXIGENIC E.-COLI IN HUMAN & ANIMAL ENVIRONMENTS. PERSISTANCE OF MICROBIAL INSECTICIDES IN THE AGRICULTURAL ENVIRONMENT.
MARGOLIS L : DISEASES AND PARASITES OF FISHES. PARASITES OF MARINE MAMMALS AND INVERTEBRATES. EFFECTS OF ENVIRONMENTAL ALTERATION ON PARASITES AND DISEASES OF AQUATIC ANIMALS. PARASITES AS BIOLOGICAL TAGS FOR FISH POPULATIONS.
PERCY JA : ECOLOGY & PHYSIOLOGY OF ARCTIC MARINE INVERTEBRATES; SHORT AND LONG-TERM RESPONSES TO ENVIRONMENTAL STRESSES, PARTICULARLY THOSE ASSOCIATED WITH SEASONAL OSCILLATIONS IN THE ENVIRONMENT. PHYSIOLOGICAL EFFECTS OF PETROLEUM ON ARCTIC MARINE INVERTEBRATES.
ROSENBERG DM : DESIGN OF ENVIRONMENTAL-IMPACT STUDIES; EFFECTS OF ENVIRONMENTAL DISTURBANCES ON MACROBENTHIC INVERTEBRATES; SAMPLING METHODS & DESIGN OF SAMPLING PROGRAMS FOR MACROBENTHOS; ECOLOGY OF CHIRONOMIDAE; AQUATIC INSECTS OF FRESHWATER WETLANDS.
WEAVER RS : MANAGEMENT OF RESEARCH IN THE FOLLOWING AREAS: AIR, WATER AND SOIL-ANALYSES; EFFECTS OF ENVIRONMENTAL-CONTAMINANTS IN AIR, WATER AND SOIL ON PLANTS, WILDLIFE AND DOMESTIC ANIMALS, AQUATIC VERTEBRATES AND INVERTEBRATES, AND MICRO-ORGANISMS; HAZARDOUS-WASTE DISPOSAL.

INVERTEBRES

LARRIVEE D : ETUDE DES CYCLES VITAUX ET DES PR[illegible]DES CULTURAUX CHEZ LES INVERTEBRES MARINS ET LES POISSONS.

ION-EXCHANGE

FARKAS EJ : NATURAL-GAS TRANSMISSION BY PIPELINE, NATURAL-GAS METERING AT HIGH PRESSURE, USE OF NATURAL-GAS AS A MOTOR-VEHICLE FUEL; SOLID, LIQUID, AND NUCLEAR-WASTE MANAGEMENT; AIR AND WATER-POLLUTION, ION-EXCHANGE.

IRON

CROWDER A : UPTAKE OF METALS BY WETLAND PLANTS. IRON PLAQUES ON ROOTS. INVENTORY OF VEGETATION IN EUTROPHIC & OTHER WETLANDS. IMPACT-ASSESSMENT PARTICULARLY OF PARK USAGE, HERBARIUM CURATOR.

IVARSON KC : STUDY THE TRANSFORMATION OF IRON & MANGANESE BY SOIL MICROBES; THE RELEASE OF ELEMENTS FROM MINING ORES BY MICROBES; THE PRODUCTION OF PROTEIN & ALCOHOL FROM WASTES BY MICROBES.

LAST AJ : SPECIAL PROCESS ENERGY APPLICATIONS AND RESEARCH SUCH AS HIGH POWER ULTRASOUND, MICROWAVE, ULTRAVIOLET AND INFRA-RED LIGHT; EMULSIONS, EMULSIFICATION PROCESSES AND EMULSIFIERS; ALSO LIQUID FLOW PROCESSING; IRON ORE BENEFICIATION AND DIRECT REDUCTION OF IRON ORE; POWDER METALLURGY; COMBUSTION AND FUELS IN METALLURGICAL PROCESSING; GASIFICATION AND LIQUEFACTION OF COALS AND BOTH FERROUS AND NON-FERROUS PYROMETALLURGY.

IRRADIATION

ROY RM : MODIFICATION OF DAMAGE & RECOVERY FOLLOWING IRRADIATION BY PHARMACOLOGICAL DOSES OF D-TOCOPHEROL IN MAMMALS. PARAMETERS INVESTIGATED INCLUDE SURVIVAL OF REAMATOPOIETIC-STEM-CELLS, PERIPHERAL BLOOD DIFFERENTIAL COUNTS, HUMORAL-IMMUNE RESPONSE & LYMPHOCYTE PROLIFERATION.

IRRIGATION

ADAMS BJ : WATER-RESOURCES SYSTEMS ANALYSIS: PLANNING, DESIGN, OPERATION AND MANAGEMENT; WATER-QUALITY MANAGEMENT; REGIONAL WASTEWATER MANAGEMENT; APPLICATIONS OF SYSTEMS ANALYSIS (STATISTICAL, SIMULATION, AND OPTIMIZATION) TECHNIQUES TO ENVIRONMENTAL SYSTEMS; RESERVOIR ANALYSIS; HYDROLOGIC MODELLING; STORMWATER MANAGEMENT; FLOOD CONTROL AND DRAINAGE; IRRIGATION; HYDROLOGIC & METEOROLOGIC DATA-ANALYSIS URBAN WATER SYSTEMS.

BURNEY JR : SOIL AND WATER ENGINEERING AREA OF AGRICULTURAL ENGINEERING, PRINCIPALLY SMALL WATERSHED HYDROLOGY. ADDITIONALLY IRRIGATION AND DRAINAGE OF AGRICULTURAL LAND.

CHIENG S : DRAINAGE, IRRIGATION, LAND & WATER-RESOURCES MANAGEMENT. HYDROLOGY & COMPUTER APPLICATION TO AGRICULTURAL ENGINEERING. EXPERIENCE IN CANADA, USA, CHINA, MALAYSIA, TAIWAN.

FORSTER JT : SEEPAGE CONTROL INVESTIGATIONS & DESIGN ALONG IRRIGATION HEADWORKS.

MADRAMOOTOO C : AGRICULTURAL HYDROLOGY, WATERSHED ENGINEERING, ESTIMATION OF PEAK FLOWS, HYDROLOGIC TIME PARAMETERS & HYDROGRAPH ANALYSIS. TRICKLE IRRIGATION SYSTEM DESIGN. SOIL EROSION & SEDIMENTATION, ESTIMATION PESTICIDE & CHEMICAL LOSSES FROM AGRICULTURAL WATERSHEDS.

SZOJKA LK : COORDINATION OF PLANNING ACTIVITIES FOR THE EFFECTIVE AND EFFICIENT DEVELOPMENT AND USE OF THE WATER-RESOURCES OF SOUTHERN ALBERTA, PARTICULARLY IRRIGATION, CONSIDERING ECONOMIC, SOCIAL AND ENVIRONMENTAL FACTORS.

ISOMERS

KNETTIG E : ANAEROBIC BIODEGRADATION OF CHLOROPHENOLS. DECHLORINATION OF DIFFERENT ISOMERS & POSSIBLE MINERALIZATION. ACTIVATED CARBON ADSORPTION OF ORGANICS FOR TREATING WASTEWATER EFFLUENTS & DRINKING-WATER.

ISOTOPE

BROWN RM : ISOTOPE HYDROLOGY BASED ON VARIATIONS OF ENVIRONMENTAL HYDROGEN, CARBON, OXYGEN, URANIUM ISOTOPES. MEASUREMENT OF ENVIRONMENTAL 3H, 14C. DEVELOPMENT OF SAMPLE PREPARATION TECHNIQUES FOR ACCELERATOR 14C DATING.

FRITZ P : ENVIRONMENTAL ISOTOPE GEOCHEMISTRY IN RELATION TO WASTE-DISPOSAL, CONTAMINANT STUDIES, HYDROGEOLOGY, QUATERNARY GEOLOGY & PALEONTOLOGY. STABLE ISOTOPE ANALYSES, RADIOCARBON DATING, TRITIUM DETERMINATIONS, GEOCHEMICAL ANALYSES.

KROUSE HR : STABLE ISOTOPE ABUNDANCES ARE USED TO IDENTIFY SOURCES OF POLLUTANTS (MAINLY SULPHUR COMPOUNDS) AND TRACE THEIR FATE IN THE ENVIRONMENT.

MACKO SA : NITROGEN GEOCHEMISTRY OF MARINE SEDIMENTS AND PETROLEUM; EARLY DIAGENESIS OF ORGANIC MATTER; RESOLUTION OF FOOD-WEBS & ORIGINS OF STROMATOLITES THROUGH STABLE ISOTOPE ANALYSIS; KINETIC-ISOTOPIC FRACTIONATION OF ORGANIC AND INORGANIC SUBSTRATES.

ISOTOPES

BROWN RM : ISOTOPE HYDROLOGY BASED ON VARIATIONS OF ENVIRONMENTAL HYDROGEN, CARBON, OXYGEN, URANIUM ISOTOPES. MEASUREMENT OF ENVIRONMENTAL 3H, 14C. DEVELOPMENT OF SAMPLE PREPARATION TECHNIQUES FOR ACCELERATOR 14C DATING.

SMITHSON GL : ENVIRONMENTAL CHEMICAL AND RADIOCHEMICAL ANALYSIS OF ALL SAMPLE TYPES. SET UP FIRST COMMERICAL RADIOCHEMICAL LAB IN CANADA (1974). ANALYSIS OF ALL CHEMICAL AND ELEMENTAL SPECIES INCLUDING RADIUM, LEAD, POLONIUM, THORIUM AND URANIUM ISOTOPES IN ANY SAMPLE TYPE. RADIOCHEMICAL PROCEDURES MANUAL.

KIDNEY

LEE EGH : MUTAGENICITY OF ENVIRONMENTAL-CONTAMINANTS INVESTIGATED USING THE AMES-SALMONELLA-ASSAYS. FISH DISEASE DIAGNOSTIC SERVICES FOR BACTERIAL KIDNEY DISEASE & INFECTIOUS HEMATOPOIETIC-NECROSIS TEST. BIOPOLYMER PRODUCTION FROM METHANOL FERMENTATION.

NICHOLLS DM : THE EFFECT OF HEAVY-METALS ON MRNA TRANSLATION AND ON ENZYME ACTIVITY, ESPECIALLY ON KIDNEY, BRAIN, LIVER, AND MUSCLE OF MAMMALS AND FISH.

KINETICS

MCKENNEY DJ : THE KINETICS OF DENITRIFICATION IN AGRICULTURAL AND FOREST-SOILS ARE MEASURED USING A GAS FLOW SYSTEM. MICROBIAL PRODUCTION AND LOSS OF NO3, NO2, NO, N2O AND N2 CAN BE MEASURED. EFFECTS OF VARIOUS AMENDMENTS TO THESE SOILS ARE EVALUATED.

PARASKEVOPOULOS G : KINETICS AND MECHANISMS OF REACTIONS OF TROPOSPERIC AND STRATOSPHERIC INTEREST.

SINGLETON DL : KINETICS AND MECHANISMS OF CHEMICAL REACTIONS IN UPPER AND LOWER ATMOSPHERE.

KRAFT

DE SOUZA TLC : MONITORING OF SULPHUR GASES FROM SUCH PROCESSES AS KRAFT PULPING IN THE MANUFACTURE OF PAPER. EXPERTISE IN WET-SCRUBBING OF TOTAL REDUCED SULPHUR GASES IN ORDER TO MEET COMPLIANCE REQUIREMENTS.

PINDER KL : ANAEROBIC FERMENTATION OF HIGH BOD FOOD-WASTES. RECOVERY OF CHEMICALS FROM CHLORINE-DIOXIDE BLEACH EFFLUENTS. AUTOCAUSTICIZING OF KRAFT LIQUORS TO ELIMINATE RECAUSTICIZING EFFLUENT.

RYAN RG : EXPERIENCE IN THE START-UP AND OPERATION OF BIOLOGICAL TREATMENT SYSTEMS FOR EFFLUENT FROM BLEACHED KRAFT PULP-MILLS.

LABORATORIES

GEOTECHNICAL SCIENCE LABORATORIES : GEOTECHNICAL SCIENCE LABORATORIES IS A RESEARCH UNIT AT CARLETON UNIVERSITY FOR THE INVESTIGATION OF THOSE PROPERTIES & BEHAVIOUR OF THE NATURAL MATERIALS OF THE EARTH'S SURFACE WHICH RELATE TO HUMAN ACTIVITY.

LABORATORY

BELTAOS S : RIVER ICE BREAKUP AND ICE JAMS. FIELD OBSERVATIONS, LABORATORY AND THEORETICAL INVESTIGATIONS. MAIN CONCERNS: EFFECTS ON FLOODING AND ALLEVIATION MEASURES; SHORT AND LONG-TERM FORECASTING; ENVIRONMENTAL-ASSESSMENT.

CASORSO DR : PATHOLOGICAL EXAMINATION OF TOXICITY STUDIES IN LABORATORY ANIMALS. R&D IN DRUGS & PESTICIDES (LATIN-AMERICA, OCEANA, AFRICA). SAFETY & EFFICACY EVALUATION OF NEW DRUGS. FEED ADDITIVE DEVELOPMENT, SAFETY, EFFICACY. VETERINARY PARASITOLOGY. AVIAN PATHOLOGY.

ESPLIN GJ : DEVELOPMENT OF A NEW PROCESS FOR ACID-RAIN NEUTRALIZATION (LABORATORY KINETIC STUDIES). AIR-POLLUTION MONITORING & CONTROL TECHNOLOGIES. TOXIC-WASTE INCINERATION. BIOMASS GASIFICATION. NEW COMBUSTION TECHNOLOGY.

FORBES MA : ANALYTICAL CHEMISTRY. EXPERIENCE IN MODERN ANALYTICAL TECHNIQUES SUCH AS GC/MS, HIGH PERFORMANCE LIQUID CHROMATOGRAPHY, HIGH RESOLUTION GAS-CHROMATOGRAPHY, AUTOMATED ANALYSIS, OPERATIONAL LABORATORY MANAGEMENT IN THE FIELD OF WATER-QUALITY.

FORER A : REARING OF CRANE FLIES IN THE LABORATORY, ULTRAVIOLET MICROBEAM IRRADIATIONS AT CONTROLLED WAVELENGTHS AND DOSES, AND MECHANISMS OF CHROMOSOME MOVEMENT DURING CELL DIVISION.

GHENT M : RISK AND HAZARD ASSESSMENT AND MONITORING. ENVIRONMENTAL-ASSESSMENT. METEOROLOGY. DATA-BASE SERVICES. OCCUPATIONAL-HEALTH AND SAFETY. ENGINEERING AND INDUSTRIAL PROCESS. INSTRUMENTATION AND LABORATORY SERVICES.

MCILVEEN WD : ASSESSMENT OF ENVIRONMENTAL CONTAMINANT EFFECTS INCLUDING ACID-RAIN ON TERRESTRIAL SYSTEMS (VEGETATION & SOIL) FOR PURPOSES OF PROVINCIAL ABATEMENT STRATEGY. PRACTICAL FIELD & LABORATORY PROBLEM SOLVING RESEARCH.

MCLEAN DM : ARBOVIRUS FIELD AND LABORATORY INVESTIGATIONS IN ARCTIC CANADA. MICROBIOLOGICAL (VIROLOGICAL) STANDARDS FOR ENVIRONMENTAL WATERS (FRESH AND MARINE).

MORAND P : BROAD RANGE OF ENVIRONMENTAL INTERESTS RESEARCH RESOURCES AVAILABLE ON CONTRACT BASIS: ON-SITE CONSULTING OR LABORATORY RESEARCH.

LABORATORY

NAKATSU K : LABORATORY WORK RE THE DISPOSITION OF DRUGS AND OTHER XENOBIOTICS IN BIOLOGICAL SYSTEMS. THE ANALYTICAL METHODS USED ARE HPLC, GC AND GCMS.
PROKOPUK R : FOSSIL FUELS FOR HEATING, POWER GENERATION AND PROCESS APPLICATIONS: ENVIRONMENTAL-ASSESSMENT: AIR, WATER AND SOIL POLLUTION FROM STATIONARY AND MOBILE SOURCES; ANALYTICAL LABORATORY TECHNIQUES.
QUARSHIE E : QUALITY CONTROL & QUALITY ASSURANCE FOR LABORATORY MEASUREMENTS & INDUSTRIAL-EFFLUENTS MONITORING PROGRAMS. HELP INDUSTRIES SET UP QUALITY CONTROL PROGRAMS FOR SAMPLING & ANALYSIS.
SMITH AE : DEVELOPMENT OF ANALYTICAL PROCEDURES FOR THE EXTRACTION AND ANALYSIS OF HERBICIDES IN SOILS AND WATERS. DETERMINE THE PERSISTENCE OF HERBICIDES IN SOILS UNDER LABORATORY AND FIELD CONDITIONS. ISOLATE AND CHARACTERIZE HERBICIDE DEGRADATION PRODUCTS IN SOILS.
SOUTH GR : MARINE PHYCOLOGY. EXPERIMENTAL ECOLOGY, FLORISTICS, LABORATORY CULTURE, LIFE-HISTORIES OF BENTHIC MARINE MACROALGAE. MARINE BIOGEOGRAPHY OF THE NORTH ATLANTIC OCEAN.
ST PIERRE CC : AIR-POLLUTION CONTROL; WET-SCRUBBERS; SOURCE EMISSION MEASUREMENTS; RISK-ASSESSMENT; INDOOR AIR-POLLUTION MODELLING & MEASUREMENT; QUANTIFICATION OF ODOUR IMPACT LABORATORY ANALYSIS AND DISPERSION MODELLING.
TIMUSS AD : ENVIRONMENTAL LABORATORY ANALYSIS, TRACE-METALS, TRACE-ORGANICS.
WARDLAW RL : THE EARTH'S SURFACE WIND IS SIMULATED IN LABORATORY WIND-TUNNELS FOR STUDYING URBAN WIND CLIMATE PROBLEMS AND THE EFFECT OF WIND ON BUILDINGS, BRIDGES, SURFACE VEHICLES AND OFFSHORE STRUCTURES.
WESTCOTT ND : DEVELOPMENT OF PROCEDURES FOR THE EXTRACTION AND ANALYSIS OF ORGANOCHLORINE, ORGANOPHOSPHORUS, CARBAMATE AND PYRETHROID INSECTICIDES IN PLANTS, WATER, SOIL AND INSECTS. DETERMINE THE PERSISTENCE OF INSECTICIDE IN PLANTS, WATER, SOIL OR INSECTS UNDER LABORATORY OR FIELD CONDITIONS.

LABRADOR-SEA

AKSU A E : PALEOCLIMATIC AND OCEANOGRAPHIC EVOLUTION OF THE LABRADOR-SEA AND BAFFIN-BAY DURING THE LAST 25 MA ODP (LEG 105) ARCTIC OCEAN CHRONOSTRATIGRAPHY. SEISMIC STRATIGRAPHY OF SMALL DELTAS IN MICROTIDAL SETTING (AEGEAN-SEA). SEDIMENTOLOGY AND GEOCHEMISTRY OF SALINE AND BITTER LAKES IN ANATOLIA. AMINO-ACID EPIMERIZATION IN FORAMINIFERA. SEDIMENTOLOGY AND SEISMIC STRATIGRAPHY OF FIORDS AND BAYS AROUND NEWFOUNDLAND. SEDIMENTOLOGY OF SHELF BASINS, SLOPE AND RISE TRANSITION.
JONES EP : CHEMICAL OCEANOGRAPHY RESEARCH, PRIMARILY INVOLVING NUTRIENTS, OXYGEN, ALKALINITY, CARBONATE AND FREONS. AREAS STUDIED INCLUDE ARCTIC OCEAN, BAFFIN-BAY, CANADIAN ARCHIPELAGO, LABRADOR-SEA AND NORTH ATLANTIC OCEAN.

LAC

AUCLAIR JC : HYDROBIOLOGIE; ECOLOGIE-AQUATIQUE; ECOSYSTEME AQUATIQUE; EUTROPHISATION; POLLUTION-EAU; LIMNOLOGIE; LAC ACIDIFICATION; PRECIPITATIONS-ACIDES LAC; ALGUE PLANCTON; PHYTOPLANCTON; CHLOROPHYLLE; OXYGENE DISSIUS; MATIERE ORGANIQUE; PHOSPHATE; PHOSPHORE.
LECLERC M : LAC; CIRCULATION; PHYSIQUE; LAC STRATIFICATION TEMPERATURE; LAC TURBULENCE; LAC BUDGET; BILAN; EQUILIBRE; TURNOVER LAC; LIMNOLOGIE PHYSIQUE.;

LACEWING-FLIES

KEVAN DK : BIOSYSTEMATICS AND ECOLOGY OF ORTHOPTEROID INSECTS (LOCUSTS, GRASSHOPPERS, CRICKETS, COCKROACHES, TERMITES AND NEUROPTEROID INSECTS (LACEWING-FLIES) SOIL FAUNA STUDIES (ECOLOGY OF MICROARTHROPODS) AND MYRIAPODS RELEVANCE OF ENTOMOLOGICAL FOLKLORE AND CUSTOMS TO SCIENTIFIC ENTOMOLOGY.

LACS

FRENETTE M : EROSION DES SOLS; TRANSPORT SOLIDE; SEDIMENTATION DANS LES LACS, RESERVOIRS & ESTUAIRES; STABILITE & MORPHOLOGIE DES COURS D'EAU. CONTAMINATION DES EAUX-SOUTERRAINES, MIGRATION DES POLLUANTS EN MILIEU PARTIELLEMENT SATURE.
MCNEIL L : REGROUPEMENT D'ASSOCIATIONS DE VILLEGIATEURS 600 QUI TRAVAILLENT A LA PROTECTION DE L' ENVIRONNEMENT DES LACS ET A LA PROTECTION DE LA NATURE, POLLUTION DES LACS; REGENERATION DES RIVES. GROUPE DE PRESSION EN ENVIRONNEMENT. SENSIBILISATION, EDUCATION, INFORMATION.
MOREAU G : EFFETS DES PLUIES-ACIDES SUR LA FAUNE BENTHIQUE ET SUR LES POISSONS, EN PARTICULIER L' OMBLE-DE-FONTAINE (SALVELINUS-FONTINALIS). ECOLOGIE DES LACS DE RESERVOIRS.

LAGOON

FINCH GR : RESEARCH IN WASTEWATER-TREATMENT TECHNOLOGIES. EXPERTISE IN WASTEWATER LAGOON DESIGN, OPERATION & MAINTENANCE. TERTIARY TREATMENT OF WASTEWATER WITH OZONE, ESPECIALLY DISINFECTION MODELLING.

LAGOON

LAGOONS

THIRUMURTHI D : LOW COST WASTEWATER-TREATMENT FOR DEVELOPING NATIONS; LAGOONS AND PONDS; WATER-TREATMENT AND ANAEROBIC TREATMENT OF SANITARY LANDFILL LEACHATE.

LAGRANGIAN

LEY BE : AIR-QUALITY MODELLING INCLUDING SMALL SCALE, MESOSCALE & LONG-RANGE TRANSPORT OXIDANT SIMULATION, MESOSCALE METEOROLOGICAL MODELLING FOR APPLICATION IN AIR-POLLUTION STUDIES. LONG-RANGE-TRANSPORT MODELLING EMPLOYING LAGRANGIAN MODELS.
OLSON MP : APPLICATION OF LAGRANGIAN (TRAJECTORY) LONG-RANGE-TRANSPORT-OF-AIR-POLLUTANTS MODEL TO NORTH AMERICAN, ARCTIC & SOME WESTERN EUROPEAN DOMAINS. MAINTAIN DATA-BASES FOR MODEL APPLICATIONS.

LAKE

ADAMS WP : ASPECT OF HYDROLOGY AND BIOLOGY INVOLVING SNOW AND ICE. STUDIES ON SNOW-COVER, LAKE ICE AND GLACIERS. STUDIES IN ARCTIC, SUBARCTIC AND COLD TEMPERATE REGIONS.
ATTON FM : LIMNOLOGY: APPLIED ASPECTS AND ENVIRONMENTAL-IMPACT-ASSESSMENT. FISH AND MANAGEMENT OF FISHERIES; IDENTIFICATION OF ARCHAEOLOGICAL FISH FAUNAL MATERIAL. LAKE MANAGEMENT: INFERTILE SUBARCTIC LAKES & EUTROPHIC LAKES. CONSULTANT TO GOVERNMENT, PRIVATE CORPORATIONS.
BARICA J : LIMNOLOGY OF EUTROPHIC LAKES: NUTRIENT AND OXYGEN REGIMES, FORMATION OF ALGAL BLOOMS: CYANOPHYTA ECOLOGY, ALGAL CONTROL, PREDICTIONS OF LAKE PRODUCTIVITY; CAUSES AND REMEDIES OF MASSIVE FISH MORTALITIES (SUMMER AND WINTER FISH KILLS); NUTRIENT CONTAMINANTS INTERACTIONS; LAKE RESTORATION.
BRYDGES TG : EXPERIENCE IN ANALYSIS, WATER-CHEMISTRY AND BIOLOGICAL STUDIES AND LAKE LIMING. PRESENTLY A SCIENCE ADVISOR IN THE FEDERAL GOVERNMENT'S LONG-RANGE-TRANSPORT-OF-AIR-POLLUTANTS AND THEIR EFFECTS.
CHRISTIE WJ : FISH POPULATION-DYNAMICS. EFFECTS OF WEATHER, SEA LAMPREY, OVER-FISHING ON YIELDS FROM ECONOMICALLY IMPORTANT LAKE ONTARIO FISH-STOCKS. FISH COMMUNITY DYNAMICS; ANALYSIS OF HISTORICAL TRENDS IN LAKE ONTARIO; IDENTIFICATION OF STRESS EFFECTS. ECOSYSTEM STUDIES. STRATEGIC FISHING MANAGEMENT PLANNING.
CLODMAN S : SHORT-RANGE COMPUTER WEATHER FORECASTING METHODS, ESPECIALLY PATTERN-RECOGNITION TECHNIQUES. MESOSCALE (INERTIO-GRAVITY) WAVES OF THE TROPOSPHERE. FORECASTING WIND-DRIVEN OCEAN AND LAKE SURFACE WAVES.
DE'ATH CE : KOREA: RESEARCH ON POPULATION, AIR & WATER-QUALITY, NUCLEAR-WASTE, AGRICULTURE & INDUSTRIAL POLLUTION WILDLIFE. PAPUA-NEW-GUINEA: MANUS-ISLAND & FORESTRY DEVELOPMENT IMPACTS. CANADA: SOCIAL & ENVIRONMENTAL-ASSESSMENT (LAKE EUGENIA, NWT), ENERGY EDUCATION IN ONTARIO, MINING IN WINDIGO TRIBAL AREA OF NORTHERN ONTARIO.
DERMOTT RM : ENVIRONMENTAL-ASSESSMENT OF LAKE & STREAM INVERTEBRATE POPULATIONS. TAXONOMY OF LAKE BENTHIC INVERTEBRATES. FEEDING & GROWTH RATES.
KENNEY BC : PHYSICAL LIMNOLOGY OF PRAIRIE LAKES INCLUDING ASPECTS OF AIR & WATER INTERACTION, MIXING AND TURBULENCE, SEDIMENT RESUSPENSION AND LARGE SCALE LAKE CIRCULATION. EUTROPHICATION AND PHOSPHORUS DYNAMICS MODELS. WATER CIRCULATION UNDER WINTER ICE.
KOHLI B : PHYSICAL LIMNOLOGY; HYDRODYNAMIC-MODELLING & WATER-QUALITY SIMULATION, SEDIMENT. TRANSPORT, DISPERSION & DIFFUSION PROCESSES. ASSESSMENTS AND OPTIMIZATION OF SEWAGE OUTFALL (SUBMERGED DIFFUSERS) AND WATER INTAKE. LAKE HARBOUR EXCHANGE PROCESSES.
LIAW WK : LIMNOLOGICAL AND FISHERIES INVESTIGATIONS; ASSESSMENT OF FISH-STOCKS; AQUATIC ENVIRONMENTAL-IMPACT-ASSESSMENT; LAKE WATER-QUALITY AND TROPHIC STATUS ASSESSMENT; CULTURE OF FISH FINGERLINGS (WALLEYE AND WHITEFISH).
MAUN MA : POPULATION-DYNAMICS AND PHYSIOLOGICAL ECOLOGY OF VEGETATION ON LAKE HURON SAND-DUNES, INSECT & PLAN INTERACTIONS ON SAND-DUNE SYSTEMS. RECOLONIZATION OF SAND-DUNE SYSTEMS.
OUELLET M : PALEOLIMNOLOGICAL STUDY OF LAKE SEDIMENTS AS A MEANS OF RECONSTRUCTING PAST ANTHROPOGENIC IMPACTS. LONG-RANGE-ATMOSPHERIC-POLLUTANTS SUCH AS ACIDIFYING PRODUCTS, HEAVY-METALS, FLUORIDES AND POLYCYCLIC-HYDROCARBONS.
POLLOCK TL : OPERATION OF A MONITORING AND SURVEY SERVICE ON THE AQUATIC ENVIRONMENT IN ATLANTIC CANADA. THIS INCLUDES EFFECTS OF LRTAP AND TOXIC-CHEMICALS, AS DEFINED BY ENVIRONMENT CANADA, ON SURFACE-WATERS, LAKE AND RIVER SEDIMENTS AND BIOTA.
REYNOLDISON TB : USE OF OLIGOCHAETA AS INDICATORS OF TOXIC CONTAMINANT STRESS. THIS INVOLVES EXAMINATION OF INDIVIDUAL SPECIMENS FOR THE PRESENCE OF CHAETAL-DEFORMITIES. IDENTIFICATION OF THE ROLE OF TEMPERATURE & OXYGEN IN THE POPULATION-DYNAMICS OF OLIGOCHAETA IN LAKE ERIE.
SCOTT GW : RESEARCH INFORMATION ON ACID-RAIN: ATMOSPHERIC PROCESSES, AQUATIC EFFECTS (INCLUDES LAKE LIMING), TERRESTRIAL EFFECTS, SOCIO-ECONOMIC EFFECTS.
SHINDLER DB : SCIENTIFIC POLICY ADVICE ON BIOTECHNOLOGY & SAFETY REGULATIONS CONCERNING ENVIRONMENTAL & LARGE-SCALE APPLICATIONS. EXPERTISE IN MICROBIOLOGY, LIMNOLOGY, BIOLOGICAL MONITORING OF TOXIC SUBSTANCES, WATER-QUALITY, LAKE ALGAL-BLOOMS & EUTROPHICATION, AQUATIC ALGAE & MACROPHYTES, BACTERIAL PHYSIOLOGY & BIOCHEMISTRY, ENZYMOLOGY. COORDINATOP OF CANADA'S NATIONAL BIOTECHNOLOGY STRATEGY.

LAKE

SLY PG : GEOLOGY OF LARGE LAKE SYSTEMS. SEDIMENT WATER INTERACTIONS INCLUDING TOXIC & NUTRIENT CONTAMINANTS. DREDGING & MATERIAL DISPOSAL. SEDIMENT EROSION, DEPOSITION & TRANSPORT. AQUATIC HABITATS & SEDIMENT BIOTA (INVERTEBRATE & FISH) INTERACTIONS.
SMOL JP : LIMNOLOGICAL & PALEOLIMNOLOGICAL STUDIES IN NORTH AMERICA INCLUDING THE HIGH ARCTIC & EUROPE. PALEOECOLOGICAL RECORD OF LAKE ACIDIFICATION.
TERASMAE J : QUATERNARY GEOLOGY, PALYNOLOGY, PALEAECOLOGY, GEOCHRONOLOGY (RADIO-CARBON DATING), TREE-RING STUDIES; GEOCHEMISTRY, SEDIMENTOLOGY OF LAKE SEDIMENTS (PALEOLIMNOLOGY) & PEAT DEPOSITS FOR STRATIGRAPHIC-CORRELATION PALEOENVIRONMENTAL ANALYSIS (INCLUDING CLIMATE CHANGE, VEGETATION HISTORY & HUMAN ACTIVITIES).
TREW DO : SURFACE-WATER QUALITY MANAGEMENT IN ALBERTA. LOCALIZED IMPACT-ASSESSMENT. GENERAL SURVEY PROGRAMS. MAINTENANCE OF LONG TERM MONITORING STATIONS. WATER-QUALITY ISSUES INCLUDE: EUTROPHICATION, ACIDIC DEPOSITION, IMPACTS FROM MUNICIPAL EFFLUENTS, INDUSTRIAL-EFFLUENTS & RESOURCE EXTRACTION. RIVER BASIN PLANNING; LAKE MANAGEMENT PLANNING.

LAKES

AKSU A E : PALEOCLIMATIC AND OCEANOGRAPHIC EVOLUTION OF THE LABRADOR-SEA AND BAFFIN-BAY DURING THE LAST 25 MA ODP (LEG 105) ARCTIC OCEAN CHRONOSTRATIGRAPHY. SEISMIC STRATIGRAPHY OF SMALL DELTAS IN MICROTIDAL SETTING (AEGEAN-SEA). SEDIMENTOLOGY AND GEOCHEMISTRY OF SALINE AND BITTER LAKES IN ANATOLIA. AMINO-ACID EPIMERIZATION IN FORAMINIFERA. SEDIMENTOLOGY AND SEISMIC STRATIGRAPHY OF FIORDS AND BAYS AROUND NEWFOUNDLAND. SEDIMENTOLOGY OF SHELF BASINS, SLOPE AND RISE TRANSITION.
ATTON FM : LIMNOLOGY: APPLIED ASPECTS AND ENVIRONMENTAL-IMPACT-ASSESSMENT. FISH AND MANAGEMENT OF FISHERIES; IDENTIFICATION OF ARCHAEOLOGICAL FISH FAUNAL MATERIAL. LAKE MANAGEMENT: INFERTILE SUBARCTIC LAKES & EUTROPHIC LAKES. CONSULTANT TO GOVERNMENT, PRIVATE CORPORATIONS.
BARICA J : LIMNOLOGY OF EUTROPHIC LAKES: NUTRIENT AND OXYGEN REGIMES, FORMATION OF ALGAL BLOOMS: CYANOPHYTA ECOLOGY, ALGAL CONTROL, PREDICTIONS OF LAKE PRODUCTIVITY; CAUSES AND REMEDIES OF MASSIVE FISH MORTALITIES (SUMMER AND WINTER FISH KILLS); NUTRIENT CONTAMINANTS INTERACTIONS; LAKE RESTORATION.
CHARLTON SED : PHYCOLOGY, LIMNOLOGY OF RUNNING WATER, LAKES & RESERVOIRS.
COLWELL DW : NATIONAL CENTRE OF COMPETENCE CONCERNED WITH APPLICATION OF METEOROLOGICAL KNOWLEDGE AND DATA TO STUDIES DEALING WITH PROBLEMS OF THE FRESH AND SALT WATER ENVIRONMENTS (HYDROLOGY, WATER-RESOURCES, OCEANS, LAKES AND RESERVOIRS).
CORNETT RJJ : TRANSPORT OF TRACE-ELEMENTS THROUGH AQUATIC SYSTEMS. BIOACCUMULATION OF RADIONUCLIDES MODELLING OXYGEN CONCENTRATIONS IN LAKES. ROLE OF GROUNDWATER INPUTS IN DETERMINING STREAM WATER CHEMISTRY.
HECKY RE : PALEOLIMNOLOGY AND LIMNOLOGY OF AFRICAN GREAT LAKES; RESERVOIR LIMNOLOGY; PHYTOPLANKTON AND DIATOM ECOLOGY; AQUATIC PRIMARY PRODUCTIVITY; CYCLING AND BIOACCUMULATION OF MERCURY.
KALFF J : AQUATIC ECOLOGY, LIMNOLOGY, MACROPHYTES AND PHYTOPLANKTON, NUTRIENTS, PRODUCTION AND BIOMASS. WATERSHEDS, NUTRIENT AND TOXINS RELATIONSHIPS OF PRIMARY PRODUCTION TO SECONDARY AND FISH PRODUCTION. TROPICAL, TEMPERATE AND ARCTIC LAKES.
KENNEY BC : PHYSICAL LIMNOLOGY OF PRAIRIE LAKES INCLUDING ASPECTS OF AIR & WATER INTERACTION, MIXING AND TURBULENCE, SEDIMENT RESUSPENSION AND LARGE SCALE LAKE CIRCULATION. EUTROPHICATION AND PHOSPHORUS DYNAMICS MODELS. WATER CIRCULATION UNDER WINTER ICE.
KRAMER JR : GEOCHEMISTRY RESEARCH INCLUDING IMPACT OF ACIDIC-PRECIPITATION; METAL SPECIATION AND BIOLOGICAL TOXICITY; AQUEOUS CHEMISTRY OF SHIELD LAKES.
LUM KR : BIOGEOCHEMISTRY OF TRACE-METALS AND METALLOIDS IN THE GREAT LAKES AND ESTUARIES. ASSESSMENT OF THE ENVIRONMENTAL-IMPACT OF METALS IN DREDGED MATERIAL, STEEL SLAGS AND OTHER SOLID MATERIALS. SPECIATION AND BIOAVAILABILITY OF TRACE-METALS AND METALLOIDS.
MITCHELL PA : LIMNOLOGY OF EUTROPHIC, SHALLOW LAKES; WATER-QUALITY MONITORING; IMPACT-ASSESSMENT OF SURFACE-WATERS; CHARACTERIZATION OF FLOWING WATERS.
RAO SS : MICROBIOLOGICAL WATER-QUALITY OF GREAT LAKES & ACID-STRESSED LAKES. MICROBIAL BIODEGRADATION. MICROBIAL TOXICITY SCREENING. MICROBIOLOGY OF SEWAGE. INDUSTRIAL-WASTES. MICROBES & ENVIRONMENTAL STRESS. DIAGNOSTIC ENTERIC BACTERIOLOGY. TOXIC METAL, MICROBES ASSOCIATION. ACTIVATED SLUDGE & VITAMIN B12.
SCHEIDER WA : EFFECTS OF CONTAMINANTS ON BIOTA OF ONTARIO LAKES. CONTAMINANT FATE, PATHWAYS & EFFECTS ON AQUATIC SYSTEMS.
STEWART DB : BIOLOGICAL AND LIMNOLOGICAL INVENTORY OF LAKES IN THE NORTHWEST TERRITORIES; ZOOGEOGRAPHY, ECOLOGY, LIFE-HISTORY, AND PARASITISM OF ARCTIC FRESHWATER ANADROMOUS, AND MARINE FISHES; ZOOPLANKTON, PHYTOPLANKTON, AQUATIC INSECTS, AND WATER-CHEMISTRY OF ARCTIC LAKES; PHOTOGRAPHIC RECORD.
STOCKNER JG : RESEARCH ON TROPHO-DYNAMICS OF LAKES AND COASTAL MARINE WATERS OF BRITISH-COLUMBIA, SPECIALIZING IN AUTOTROPHIC PRODUCTION AND NUTRIENT DYNAMICS.
WHITTLE DM : TRENDS IN CONTAMINANTS (PESTICIDES, INDUSTRIAL CHEMICALS AND TRACE-METALS) IN AQUATIC BIOTA FROM THE LAURENTIAN GREAT LAKES. DETERMINE THE IMPACT OF CONTAMINANT BURDENS ON THE AQUATIC-ECOSYSTEM.

LAMPREY

CHRISTIE WJ : FISH POPULATION-DYNAMICS. EFFECTS OF WEATHER. SEA LAMPREY. OVER-FISHING ON YIELDS FROM ECONOMICALLY IMPORTANT LAKE ONTARIO FISH-STOCKS. FISH COMMUNITY DYNAMICS; ANALYSIS OF HISTORICAL TRENDS IN LAKE ONTARIO; IDENTIFICATION OF STRESS EFFECTS. ECOSYSTEM STUDIES. STRATEGIC FISHING MANAGEMENT PLANNING.

LAND

ABOUGUENDIA Z : REVEGETATION STUDIES OF LAND DISTURBED BY MINING ACTIVITIES (E.G. URANIUM TAILINGS. COAL SPOILS). ECOLOGICAL BASELINE STUDIES AND ENVIRONMENTAL-IMPACT-ASSESSMENT. RANGE ECOLOGY & PRODUCTIVITY. RESPONSE OF PLANTS TO AIRBORNE POLLUTANTS.

BATES TE : SOIL-FERTILITY. PLANT NUTRIENT RESPONSE & PREDICTION OF REQUIREMENTS. SOIL TESTING & PLANT ANALYSIS INCLUDING MICRONUTRIENTS & HEAVY-METALS. USE OF SEWAGE SLUDGE ON LAND.

BECKETT PJ : MOSS. LICHEN & MACROFUNGI AS BIOMONITORS OF ECOSYSTEM METAL BURDENS; GEOBOTANICAL-PROSPECTING EFFECTS OF METALS ON TERRESTRIAL-ECOSYSTEMS. RESTORATION OF ACID. METAL STRESSED LAND.

BEKE GJ : STUDIES TO DETERMINE CAUSES & CONTROL OF DRY LAND SALINITY; CROPPING PRACTICES & SUBSURFACE DRAINAGE.

BOND WK : LAND-USE ANALYSIS; STUDY EFFECTS OF FEDERAL GOVERNMENT PROGRAMS ON USE AND MANAGEMENT OF CANADA'S LAND RESOURCE; ANALYSIS OF EXTENT. NATURE. CAUSES AND CONSEQUENCES OF LAND-USE CHANGE ON CANADA'S AGRICULTURAL MARGINS; STUDY OF FRUITLAND CHANGE.

BURNEY JR : SOIL AND WATER ENGINEERING AREA OF AGRICULTURAL ENGINEERING. PRINCIPALLY SMALL WATERSHED HYDROLOGY. ADDITIONALLY IRRIGATION AND DRAINAGE OF AGRICULTURAL LAND.

CHIENG S : DRAINAGE. IRRIGATION. LAND & WATER-RESOURCES MANAGEMENT. HYDROLOGY & COMPUTER APPLICATION TO AGRICULTURAL ENGINEERING. EXPERIENCE IN CANADA. USA. CHINA. MALAYSIA. TAIWAN.

CLARK JS : DIRECTOR OF THE LAND RESOURCE RESEARCH CENTRE. HAS RESPONSIBILITY FOR NATIONAL SOIL SURVEY PROGRAMS AND FOR RESEARCH AND DEVELOPMENT IN SOIL PHYSICS. CHEMISTRY. MINERALOGY AND MICROBIOLOGY. AGROMETEOROLOGY AND LAND USE AND EVALUATION.

HARRIS IWE : TECHNOLOGY. ENGINEERING AND REGULATIONS RELATING TO OCCUPATIONAL-HEALTH. WASTE-MANAGEMENT (AIR. WATER. LAND) AND PRODUCT LIABILITY. SYNTHETIC ELASTOMERS AND RESINS.

HERMELIN J : FOREST EXTENSION SERVICE IS AN EDUCATIONAL. ADVISORY BODY TO ASSIST. ADVISE. PROMOTE THE MANAGEMENT OF PRIVATE WOODLOTS. INTERACTION WITH WOODLOT OWNERS WHO IN TURN MANAGE THEIR FOREST LAND.

HOLLAND WD : ECOLOGICAL LAND-CLASSIFICATION & FOREST SITE-CLASSIFICATION INCLUDING LAND FORM. SOIL AND VEGETATION RESOURCE COMPONENTS.

IRONSIDE GR : ECOLOGICAL LAND-CLASSIFICATION. INTEGRATED LAND RESOURCE DATA FOR LAND-USE PLANNING AND NATURAL RESOURCE MANAGEMENT. AREA OF EXPERTISE: NORTHWEST-TERRITORIES AND YUKON TERRITORY. MEMBER OF SECRETARIAT FOR CANADA COMMITTEE ON ECOLOGICAL LAND-CLASSIFICATION.

KRUSHELNICKI BW : RURAL LAND ECONOMICS. COUNTRYSIDE PLANNING. URBAN & REGIONAL PLANNING ADMINISTRATION. LOCAL GOVERNMENT.

LANG RS : ENVIRONMENTAL & SOCIAL IMPACT-ASSESSMENT. INTEGRATED LAND AND WATER PLANNING. WASTE-MANAGEMENT PLANNING. INTEGRATED RESOURCE-MANAGEMENT. PLANNING THEORY & PRACTICE.

LOUIE RH : BIOPHYSICAL SURVEYS (SOILS. SURFICIAL GEOLOGY. VEGETATION. WILDLIFE HABITAT. CLIMATE). LAND USE IN BRITISH-COLUMBIA & APPLICATIONS FOR AGRICULTURE. FORESTRY. WILDLIFE. WATER. FISH & OTHER LAND USE PLANNING. ASSESSMENT AND MONITORING. BASE MAP PRODUCTION (TOPOGRAPHIC. PLANIMETRIC AND CADASTRAL). REMOTE-SENSING.

LUTWICH G : LAND SPREADING OF MUNICIPAL SEWAGE & INDUSTRIAL-WASTES; INVOLVING BIOLOGICAL TESTING OF WASTES FOR APPLICATION TO LAND.

MARSALEK J : CHARACTERIZATION OF CONTRIBUTIONS OF URBAN LAND RUNOFF TO THE POLLUTION OF RECEIVING WATERS. FIELD AND COMPUTER-SIMULATION STUDIES OF SUCH CONTRIBUTIONS.

MCCUAIG JD : LAND-USE PLANNING: GEOGRAPHY; LAND-USE POLICIES; RURAL & AGRICULTURAL LAND-USE CHANGE ANALYSIS: LAND VALUE CHANGE; FEDERAL PROGRAM IMPACT ON LAND-USE; PLANNING METHODS AND TOOLS; FEDERAL/ PROVINCIAL LIAISON.

MCKIBBEN L : ENVIRONMENTAL INVENTORY AND ANALYSIS. ENVIRONMENTAL-IMPACT PREDICTION AND MITIGATION. ENVIRONMENTAL-PLANNING AND MANAGEMENT. LAND-USE REGULATION. ENVIRONMENTALLY SENSITIVE & SIGNIFICANT AREA PROTECTION. HAZARD LAND REGULATION. TRANSPORTATION & UTILITY CORRIDOR PLANNING & MANAGEMENT.

MCKYES E : SOIL MECHANICS FOR AGRICULTURAL ENGINEERING INCLUDING SOIL-CUTTING ANALYSES. THEORIES OF SOIL-CUTTING AND TILLAGE. TILLAGE TOOL DESIGN. FOUNDATIONS. DIGESTION. SEPARATION & LAND DISPOSAL OF ORGANIC-WASTES. MACHINE DESIGN.

MOHTADI MF : CHEMICAL TRANSFORMATIONS AND DISPERSION OF SULPHUR-DIOXIDE IN THE ATMOSPHERE. DISPERSION AND MIGRATION OF SPILLED CRUDE OIL WITHIN SOIL AND POTENTIAL ENVIRONMENTAL HAZARDS OF OIL-SPILLS ON LAND.

MUNN LC : LAND-USE POLICY DEVELOPMENT & IMPLEMENTATION. FEDERAL LAND MANAGEMENT. FEDERAL PROGRAM IMPACTS ON LAND-USE. LAND-USE ANALYSIS. LAND PLANNING METHODOLOGY & MANAGEMENT.

POLLOCK WS : FOREST RESEARCH AND MANAGEMENT SPECIALIZING IN PRIVATE LAND. POLICY. SILVICULTURE. REFORESTATION. REVEGETATION. FOREST INVENTORY. GROWTH STUDIES.

REES HW : LAND RESOURCE INVENTORIES IN NEW-BRUNSWICK. IDENTIFICATION. DESCRIPTION & DELINEATION ON MAPS OF CONTRASTING SEGMENTS OF THE LANDSCAPE BASED ON DIFFERENTIATING CRITERIA AS REQUIRED FOR VARIOUS LAND USES.

REID RH : MAPPING TECHNICIAN SPECIALIZING IN THE CANADA LAND INVENTORY PROGRAM SOIL. TERRAIN. WILDLIFE. VEGETATION & OTHER RESOURCE MAPPING.

LAND

ROWSELL JA : CONSULTANT IN TERRESTRIAL-ECOLOGY: BIOCHEMICAL DYNAMICS; REMOTE-SENSING DATA-ANALYSIS; PHYTOTOXICOLOGY; INDUSTRIAL WASTE-MANAGEMENT; LAND APPLICATION OF WASTES; ENVIRONMENTAL-IMPACT-ASSESSMENT; ECOLOGICAL LAND-CLASSIFICATION; PEATLAND BIOLOGY; FLORA, FAUNA SURVEYS.

RUBEC CDA : EFFECTS OF ACID-PRECIPITATION & ECOSYSTEMS AT RISK. ASSESSMENT OF RESOURCES AT RISK TO ACID-RAIN. WETLANDS & LAND CONSERVATION. LAND USE MONITORING. ECOLOGICAL LAND SURVEY. NORTHERN ECOLOGY.

SIFTON TE : TECHNIQUES FOR INTEGRATED RESOURCE-MANAGEMENT OF PUBLIC LANDS; ENVIRONMENTAL-IMPACT OF SPECIFIC USES OF LAND & WATER; METHODS OF REAL PROPERTY APPRAISAL.

SIMS MP : PROVINCIAL RESEARCH PROGRAMS ON ACID-DEPOSITION, AIR-QUALITY & CLIMATE, RECLAMATION, WATER-RESOURCES; WATER-TREATMENT & WASTE-MANAGEMENT, ENVIRONMENTAL CONTAMINANTS. INTERESTS IN RISK-ASSESSMENT, BIOTECHNOLOGY & LAND RESOURCE INVENTORY.

THOMPSON DC : LAND RECLAMATION; WILDLIFE; IMPACT-ASSESSMENT OF INDUSTRIAL DEVELOPMENTS.

WARMAN PR : SOIL-FERTILITY & CONSERVATION THROUGH ORGANIC AMENDMENTS (ANIMAL & GREEN MANURES, COMPOSTS, SEWAGE SLUDGE); MINE-TAILINGS & LAND RECLAMATION; SOIL & PLANT RELATIONSHIPS IN CONSERVATION & RECLAMATION.

WELLS PG : COORDINATION OF MARINE ENVIRONMENTAL QUALITY ISSUE. IDENTIFICATION OF PRIORITY AREAS FOR MARINE POLLUTION RESEARCH & ASSESSMENT FOR LAND BASED POLLUTANTS. MARINE ECOTOXICOLOGY: PRINCIPLES, PRACTISE & RELATIONSHIP TO MARINE COASTAL MANAGEMENT & POLLUTION-CONTROL. BIOLOGICAL TECHNIQUES FOR EFFECTS MONITORING.

WHITELEY HR : IMPACT OF AGRICULTURAL USE OF LAND, INCLUDING DRAINAGE ON QUALITY & QUANTITY OF STREAMFLOW & GROUNDWATER. WATERSHED MONITORING OF SNOWMELT INCLUDING ACID SHOCK EFFECTS.

WIKEN EB : TERRESTRIAL-ECOLOGY: ECOLOGICAL LAND-CLASSIFICATION, EVALUATION & MODELLING; LAND CAPABILITY RATING & SUITABILITY; ENVIRONMENTAL-ANALYSIS & MANAGEMENT. COORDINATION ACTIVITIES CONCERNING ACID-RAIN RESEARCH & ENVIRONMENTAL-IMPACT-ASSESSMENT IN AREAS CONCERNING LAND, WATER & WILDLIFE.

WINSTONE RW : ADMINISTER & MANAGE PROVINCIALLY OWNED CROWN LANDS IN MANITOBA INCLUDES LAND-USE CLASSIFICATION & ALL FORMS OF CONTRACTUAL USE OF LAND & MANAGEMENT PROGRAMS.

YONG RN : RESEARCH INVOLVES ENVIRONMENTAL-AUDITING PERTAINING TO HAZARDOUS-WASTE DISPOSAL AND MANAGEMENT. RESEARCH THEMES ADDRESSED INCLUDE CONTAMINANT MIGRATION MODELLING IN SOILS, SOIL DECONTAMINATION, TOXICITY ASSESSMENT, CONTAMINANT BIODEGRADATION, LAND FARMING, REMEDIAL MEASURES, SOIL BIOTECHNOLOGY.

LAND-CLASSIFICATION

BURGER D : FOREST LAND-CLASSIFICATION. EXPERTISE: TREE SPECIES, SITE RELATIONSHIPS (LOCAL & REGIONAL) SOILS, PHYSIOGRAPHY. PROJECTS: SITE REGIONS OF ONTARIO; FOREST ECOREGIONS NORTHEAST US; COMPARISON OF ECOLOGICAL CONDITIONS IN ONTARIO & NORTHEAST CHINA.

HOLLAND WD : ECOLOGICAL LAND-CLASSIFICATION & FOREST SITE-CLASSIFICATION INCLUDING LAND FORM, SOIL AND VEGETATION RESOURCE COMPONENTS.

IRONSIDE GR : ECOLOGICAL LAND-CLASSIFICATION, INTEGRATED LAND RESOURCE DATA FOR LAND-USE PLANNING AND NATURAL RESOURCE MANAGEMENT. AREA OF EXPERTISE: NORTHWEST-TERRITORIES AND YUKON TERRITORY. MEMBER OF SECRETARIAT FOR CANADA COMMITTEE ON ECOLOGICAL LAND-CLASSIFICATION.

MURTHA PA : REMOTE-SENSING & PHOTO INTERPRETATION: APPLICATION OF AERIAL-PHOTOGRAPHY, MULTISPECTRAL SCANNER, IMAGERY AND SATELLITE DATA FOR VEGETATION DAMAGE ASSESSMENT (INSECTS, DISEASE, AIR-POLLUTION) OR LAND-CLASSIFICATION AND TERRAIN ANALYSIS; COLOUR-INFRARED PHOTOGRAPHS; PC BASED IMAGE-ANALYSIS LANDSAT.

ROWSELL JA : CONSULTANT IN TERRESTRIAL-ECOLOGY: BIOCHEMICAL DYNAMICS; REMOTE-SENSING DATA-ANALYSIS; PHYTOTOXICOLOGY; INDUSTRIAL WASTE-MANAGEMENT; LAND APPLICATION OF WASTES; ENVIRONMENTAL-IMPACT-ASSESSMENT; ECOLOGICAL LAND-CLASSIFICATION; PEATLAND BIOLOGY; FLORA, FAUNA SURVEYS.

WIKEN EB : TERRESTRIAL-ECOLOGY: ECOLOGICAL LAND-CLASSIFICATION, EVALUATION & MODELLING; LAND CAPABILITY RATING & SUITABILITY; ENVIRONMENTAL-ANALYSIS & MANAGEMENT. COORDINATION ACTIVITIES CONCERNING ACID-RAIN RESEARCH & ENVIRONMENTAL-IMPACT-ASSESSMENT IN AREAS CONCERNING LAND, WATER & WILDLIFE.

LAND-USE

BOND WK : LAND-USE ANALYSIS; STUDY EFFECTS OF FEDERAL GOVERNMENT PROGRAMS ON USE AND MANAGEMENT OF CANADA'S LAND RESOURCE; ANALYSIS OF EXTENT, NATURE, CAUSES AND CONSEQUENCES OF LAND-USE CHANGE ON CANADA'S AGRICULTURAL MARGINS; STUDY OF FRUITLAND CHANGE.

BRYANT CR : RURAL DEVELOPMENT AND RURAL LAND-USE MANAGEMENT, ESPECIALLY IN RELATION TO AGRICULTURE AND RELATIONSHIPS WITH URBAN SYSTEMS. RURAL INFORMATION-SYSTEMS. RURAL DEVELOPMENT WITHIN REGIONAL DEVELOPMENT. RURAL RESOURCE CONSERVATION.

DONALDSON GR : URBAN LAND-USE PLANNING. URBAN WILDLAND PARKS.

DYKSTRA TL : RECREATIONAL LAND-USE PLANNING: FOR RESERVOIRS, RESERVOIR SHORELINES & RIVER VALLEYS TO PROTECT WATER-RESOURCE MANAGEMENT OBJECTIVES.

IRONSIDE GR : ECOLOGICAL LAND-CLASSIFICATION, INTEGRATED LAND RESOURCE DATA FOR LAND-USE PLANNING AND NATURAL RESOURCE MANAGEMENT. AREA OF EXPERTISE: NORTHWEST-TERRITORIES AND YUKON TERRITORY. MEMBER OF SECRETARIAT FOR CANADA COMMITTEE ON ECOLOGICAL LAND-CLASSIFICATION.

LAND-USE

LOWRY RT : RADAR REMOTE-SENSING; ICE MANAGEMENT SYSTEMS; ATMOSPHERIC MODELLING; GROUNDWATER MODELLING GEOLOGICAL TESTING, LAND-USE MAPPING; WEATHER MODIFICATION; APPLIED MECHANICS.
MANNING EW : LAND-USE RESEARCH, AGRICULTURAL LAND-USE, PROTECTION OF PRIME RESOURCE LANDS, REGIONAL RESOURCE PLANNING. FOCUS ON MAN/LAND RELATIONSHIPS, BEHAVIOURAL ANALYSES OF RESOURCE-USE, LIMITS OF CARRYING CAPACITY/RESOURCE DEVELOPMENT OPPORTUNITIES.
MCCUAIG JD : LAND-USE PLANNING: GEOGRAPHY; LAND-USE POLICIES; RURAL & AGRICULTURAL LAND-USE CHANGE ANALYSIS: LAND VALUE CHANGE; FEDERAL PROGRAM IMPACT ON LAND-USE; PLANNING METHODS AND TOOLS; FEDERAL/ PROVINCIAL LIAISON.
MCKIBBEN L : ENVIRONMENTAL INVENTORY AND ANALYSIS. ENVIRONMENTAL-IMPACT PREDICTION AND MITIGATION. ENVIRONMENTAL-PLANNING AND MANAGEMENT. LAND-USE REGULATION. ENVIRONMENTALLY SENSITIVE & SIGNIFICANT AREA PROTECTION. HAZARD LAND REGULATION. TRANSPORTATION & UTILITY CORRIDOR PLANNING & MANAGEMENT.
MERRIAM HG : EFFECTS OF ISOLATION OF FOREST FRAGMENTS BY FARMLAND AND SUBURBAN LAND-USE. EFFECTS OF HETEROGENEITY OF LANDSCAPE MOSAICS ON SPECIES ASSEMBLAGES AND REGIONAL POPULATION-DYNAMICS INCLUDING LOCAL EXTINCTION AND RECOLONIZATION IN PATCHES AND THE EFFECTS OF CONNECTIVITY AMONG HABITAT ISLANDS.
MULAMOOTTIL G : WETLAND ECOLOGY; LAND-USE AND ENCROACHMENTS IMPACTING ON WETLANDS; URBAN DRAINAGE PROBLEMS FOCUSSING ON STORMWATER MANAGEMENT; DETENTION FACILITIES; ENVIRONMENTAL-IMPACT-ASSESSMENTS RELATED TO WATER-RESOURCES.
MUNN LC : LAND-USE POLICY DEVELOPMENT & IMPLEMENTATION. FEDERAL LAND MANAGEMENT, FEDERAL PROGRAM IMPACTS ON LAND-USE, LAND-USE ANALYSIS, LAND PLANNING METHODOLOGY & MANAGEMENT.
REID JR : LAND-USE INFORMATION SERIES OF MAPS COVERS NORTHWEST-TERRITORIES & YUKON EXCLUDING NORTHERN HIGH ARCTIC. INFORMATION PROVIDED IN TEXT & MAP FORM INCLUDES WIDE RANGE OF ENVIRONMENTAL & SOCIAL TOPICS.
ROBERTSON ID : LAND-USE PLANNING WESTERN & NORTHERN CANADA. SINGLE INDUSTRY RESOURCE TOWNS. ENVIRONMENTAL-IMPACT-ASSESSMENT PLANNING FOR MEGA-PROJECTS (PETROCHEMICALS, PIPELINES). URBAN REDEVELOPMENT. CITY PLANNING.
SCACE RC : MANAGEMENT, COORDINATION OF LARGE-SCALE MULTI-DISCIPLINARY STUDIES. HUMAN ECOLOGICAL AND LANDSCAPE ANALYSES, LAND-USE PLANNING, HERITAGE PARKS AND PROTECTED AREAS CONSERVATION, IMPACT-ASSESSMENT, RECREATIONAL STUDIES, EDITING, CONFERENCE PLANNING, PROJECT ASSESSMENT.
STRANG RM : RESEARCH MANAGEMENT AND DIRECTION; FIRE AS AN ECOLOGICAL FACTOR AND TOOL FOR FOREST AND WILDLAND MANAGERS; ECOLOGICAL CONSIDERATIONS IN LAND-USE PLANNING AND MANAGEMENT.
SUDOM MD : SOIL SURVEY & LAND-USE STUDIES. ENVIRONMENTAL GUIDELINES FOR LIVESTOCK OPERATIONS. LAND-USE MONITORING.
THIE J : LANDSCAPE ECOLOGY, ECOLOGICAL RESEARCH. LAND-USE MONITORING, REMOTE-SENSING, LAND-CAPABILITY INVENTORIES, RESOURCE-MANAGEMENT, ENVIRONMENTAL-IMPACT-ASSESSMENT, GEO INFORMATION-SYSTEMS.
WINSTONE RW : ADMINISTER & MANAGE PROVINCIALLY OWNED CROWN LANDS IN MANITOBA INCLUDES LAND-USE CLASSIFICATION & ALL FORMS OF CONTRACTUAL USE OF LAND & MANAGEMENT PROGRAMS.

LANDFILL

AUDY E : ENVIRONMENTAL-IMPACT OF PULP-AND-PAPER EFFLUENTS. PROBLEMS RELATED TO THE LOCALIZATION & OPERATION OF LANDFILL SITES.
BIRKBECK AE : CHARACTERISATION & TREATMENT OF LANDFILL LEACHATE, ODOUR CONTROL AT LANDFILLS. INDUSTRIAL & MUNICIPAL WASTEWATER-TREATMENT, RECLAMATION & RECIRCULATION FOR FISH HATCHERIES. DESIGN & EVALUATION OF SMALL DISINFECTION UNITS, CHLORINE, OZONE & ULTRAVIOLET.
DART FJ : POTABLE-WATER: CONTROL OF EXCESS INORGANICS PARTICULARLY BY SEQUESTRATION TECHNIQUES; CHEMICAL-ANALYSIS INTERPRETATION; CORROSION, FOULING AND CONTAMINANT SOURCE ASSESSMENTS; PURIFICATION ALTERNATIVES; CHEMISTRY ASSESSMENTS OF WASTEWATER, INDUSTRIAL-WASTES AND LANDFILL.
FORRESTAL BJ : REDUCTION, REUSE, RECYCLE, RECOVERY, EXCHANGE OF INDUSTRIAL-WASTES. REPORTS ON FOOD AND METAL FINISHING INDUSTRIES. LANDFILL GAS GENERATION. REGULATION COMPLIANCE CONSULTING AND TESTING. ENVIRONMENTAL SURVEYS. ONTARIO WASTE EXCHANGE OPERATION. NOVEL WASTE-TREATMENT USING PEAT.
HOWARD TE : INDUSTRIAL-HYGIENE. ENVIRONMENTAL HEALTH STUDIES. AIR-POLLUTION STUDIES: IMPACT OF AIR EMISSIONS, ACID-RAIN, ODOUR CONTROL. MODELLING ATMOSPHERIC DISPERSION OF AIR-POLLUTANTS. WATER STUDIES. UPTAKE OF METALS BY AQUATIC ORGANISMS. BIOASSAYS. WASTEWATER-TREATMENT. REMOTE-SENSING. LANDFILL LEACHATE CONTROL.
MAKHIJA R : METHOD DEVELOPMENT IN METALLURGICAL EFFLUENTS, AIR-MONITORING, CHEMICAL AUDIT, IDENTIFICATION OF TOXIC-CHEMICALS AND THEIR ANALYSIS. WASTE-MANAGEMENT STUDIES INCLUDING, SEMINARS, WORKSHOPS; SPILL CONTROL, HAZARDOUS-WASTE METHODS DEVELOPMENT. OCCUPATIONAL-HEALTH AND SAFETY, LANDFILL MONITORING, WATER-QUALITY, SOLID-WASTE SAMPLING AND ANALYSIS.
ODA A : PREPARE GUIDELINES FOR TREATMENT & DISPOSAL OF SOLID ORGANIC-WASTES ON AGRICULTURAL LANDS. DEVELOP EXPERTISE ON WASTE-MANAGEMENT TECHNIQUES RELATED TO PHYSICAL & CHEMICAL TREATMENT, SOLIDIFICATION, MEMBRANE SEPARATION ETC. INVESTIGATE METHODS FOR THE MANAGEMENT OF LEACHATE FROM MUNICIPAL LANDFILL SITES.
PIMENTA JA : SAMPLING & ANALYSIS OF INDUSTRIAL & DOMESTIC WASTE & LANDFILL MATERIALS FOR HAZARDOUS INORGANIC COMPONENTS. WASTE CHARACTERIZATION & CLASSIFICATION FOR REGULATORY PURPOSES.

LANDFILL

THIRUMURTHI D : LOW COST WASTEWATER-TREATMENT FOR DEVELOPING NATIONS; LAGOONS AND PONDS; WATER-TREATMENT AND ANAEROBIC TREATMENT OF SANITARY LANDFILL LEACHATE.

LANDFILLS

BIRKBECK AE : CHARACTERISATION & TREATMENT OF LANDFILL LEACHATE. ODOUR CONTROL AT LANDFILLS. INDUSTRIAL & MUNICIPAL WASTEWATER-TREATMENT, RECLAMATION & RECIRCULATION FOR FISH HATCHERIES. DESIGN & EVALUATION OF SMALL DISINFECTION UNITS, CHLORINE, OZONE & ULTRAVIOLET.
GOODINGS WD : USE OF QUARRIES & LINERS FOR LANDFILLS, ENERGY FROM WASTE OPPORTUNITIES; PRIVATE SECTOR FINANCING & OPERATION OF WASTE-MANAGEMENT SYSTEMS; HAZARDOUS-WASTE CLEANUP; PUBLIC PARTICIPATION PROGRAMS FOR SITING CONTROVERSIAL FACILITIES (LANDFILLS, INCINERATORS, HIGHWAYS).
SIMPSON KJ : HAZARDOUS-WASTE MANAGEMENT: SITE SELECTION, PUBLIC PARTICIPATION, NEEDS STUDIES, FEASIBILITY STUDIES, TECHNOLOGY ASSESSMENT, SITE DEVELOPMENT, LEGISLATION. SOLID-WASTE MANAGEMENT, RECYCLING, INCINERATION, LANDFILLS, WASTE-DISPOSAL.

LANDSCAPE

MERRIAM HG : EFFECTS OF ISOLATION OF FOREST FRAGMENTS BY FARMLAND AND SUBURBAN LAND-USE. EFFECTS OF HETEROGENEITY OF LANDSCAPE MOSAICS ON SPECIES ASSEMBLAGES AND REGIONAL POPULATION-DYNAMICS INCLUDING LOCAL EXTINCTION AND RECOLONIZATION IN PATCHES AND THE EFFECTS OF CONNECTIVITY AMONG HABITAT ISLANDS.
REES HW : LAND RESOURCE INVENTORIES IN NEW-BRUNSWICK. IDENTIFICATION, DESCRIPTION & DELINEATION ON MAPS OF CONTRASTING SEGMENTS OF THE LANDSCAPE BASED ON DIFFERENTIATING CRITERIA AS REQUIRED FOR VARIOUS LAND USES.
SCACE RC : MANAGEMENT, COORDINATION OF LARGE-SCALE MULTI-DISCIPLINARY STUDIES, HUMAN ECOLOGICAL AND LANDSCAPE ANALYSES, LAND-USE PLANNING, HERITAGE PARKS AND PROTECTED AREAS CONSERVATION, IMPACT-ASSESSMENT, RECREATIONAL STUDIES, EDITING, CONFERENCE PLANNING, PROJECT ASSESSMENT.
THIE J : LANDSCAPE ECOLOGY, ECOLOGICAL RESEARCH. LAND-USE MONITORING, REMOTE-SENSING, LAND-CAPABILITY INVENTORIES, RESOURCE-MANAGEMENT, ENVIRONMENTAL-IMPACT-ASSESSMENT, GEO INFORMATION-SYSTEMS.

LANDSCAPES

MIDDLETON J : MEASUREMENT & ANALYSIS OF ECOLOGICAL STRESS & DISTURBANCE IN ECOSYSTEMS AT LARGE SCALES (KILOMETRES) INCLUDING LANDSCAPES DOMINATED BY HUMAN ACTIVITY.
SUFFLING RC : BOREAL-FOREST ECOLOGY, QUANTITATIVE ANALYSIS OF LANDSCAPES, FIRE HISTORY; ENVIRONMENTAL-IMPACT-ASSESSMENT OF RESOURCE DEVELOPMENTS; UTILITY CORRIDOR VEGETATION MANAGEMENT.

LANDSCAPING

BROWN WFM : INDUSTRIAL ENVIRONMENTAL-PLANNING AND CONTROL. AIR, WATER AND SOLID AND LIQUID-WASTE. BUFFER AREAS, LANDSCAPING.

LANDSLIDES

GARDNER JS : SNOW & ICE HYDROLOGY, GLACIOLOGY & EROSION IN HIGH MOUNTAIN AREAS. NATURAL HAZARDS (FLOODS, AVALANCHES, LANDSLIDES IN MOUNTAIN ENVIRONMENTS.
GERATH RF : AERIAL-PHOTOGRAPHY INTERPRETATION FOR GEOTECHNICAL ENGINEERING AND RELATED ENVIRONMENTAL STUDIES. SPECIALIST IN ROUTE/SITE-LOCATION STUDIES, LANDSLIDES AND SNOW AVALANCHE HAZARD EVOLUTIONS.

LARCH

MURRAY G : FOREST GENETICS RESEARCH WITH EMPHASIS ON GENECOLOGY AND BREEDING OF WHITE SPRUCE (PICEA-GLAUCA) AND LARCH (LARIX).

LARVAE

CUNNINGHAM JC : PRACTICAL USE OF VIRUSES FOR CONTROL OF FOREST-INSECT PESTS; FORMULATION & APPLICATION OF VIRAL INSECTICIDES; PRODUCTION OF VIRUSES USING HOST INSECT LARVAE. REGISTRATION OF VIRAL INSECTICIDES & COMMERCIALIZATION OF BIOCONTROL PRODUCTS.

LARVAL

HARDING GCH : LARVAL ECOLOGY OF NORTH-AMERICAN LOBSTER. THE VERTICAL MIGRATION OF ZOOPLANKTON. THE DYNAMICS OF ORGANOCHLORINES IN MARINE ZOOPLANKTON.
LESLIE JK : LARVAL FISH-ECOLOGY; TAXONOMY, DEVELOPMENT OF SAMPLING TECHNIQUES.

LASER

CARSWELL AI : LIDAR (LASER RADAR) DIAGNOSTICS OF THE ATMOSPHERE REMOTE-SENSING. ATMOSPHERIC OPTICS. LASER BEAM PROPAGATION AND SCATTERING IN THE ATMOSPHERE.

LEACH

SHEPPARD MI : SOIL MIGRATION & PLANT UPTAKE OF CHEMICAL & RADIOACTIVE-WASTES. COMPUTER MODELLING TO PREDICT SOIL RESIDENCE TIMES & LEACH RATES. PHYSICAL, CHEMICAL, THERMAL & RADIOLOGICAL CHARACTERIZATION OF SOILS.

LEACHATE

BIRKBECK AE : CHARACTERISATION & TREATMENT OF LANDFILL LEACHATE. ODOUR CONTROL AT LANDFILLS. INDUSTRIAL & MUNICIPAL WASTEWATER-TREATMENT. RECLAMATION & RECIRCULATION FOR FISH HATCHERIES. DESIGN & EVALUATION OF SMALL DISINFECTION UNITS, CHLORINE, OZONE & ULTRAVIOLET.
HOWARD TE : INDUSTRIAL-HYGIENE. ENVIRONMENTAL HEALTH STUDIES. AIR-POLLUTION STUDIES: IMPACT OF AIR EMISSIONS, ACID-RAIN, ODOUR CONTROL. MODELLING ATMOSPHERIC DISPERSION OF AIR-POLLUTANTS. WATER STUDIES. UPTAKE OF METALS BY AQUATIC ORGANISMS. BIOASSAYS. WASTEWATER-TREATMENT. REMOTE-SENSING. LANDFILL LEACHATE CONTROL.
ODA A : PREPARE GUIDELINES FOR TREATMENT & DISPOSAL OF SOLID ORGANIC-WASTES ON AGRICULTURAL LANDS. DEVELOP EXPERTISE ON WASTE-MANAGEMENT TECHNIQUES RELATED TO PHYSICAL & CHEMICAL TREATMENT, SOLIDIFICATION, MEMBRANE SEPARATION ETC. INVESTIGATE METHODS FOR THE MANAGEMENT OF LEACHATE FROM MUNICIPAL LANDFILL SITES.
ROWE RK : MODELLING CONTAMINANT MIGRATION THROUGH SOILS WITH PARTICULAR EMPHASIS ON CLAY LINERS. DEVELOPMENT OF TECHNIQUES FOR DETERMINATION OF APPROPRIATE SOIL LEACHATE PARAMETERS.
THIRUMURTHI D : LOW COST WASTEWATER-TREATMENT FOR DEVELOPING NATIONS; LAGOONS AND PONDS; WATER-TREATMENT AND ANAEROBIC TREATMENT OF SANITARY LANDFILL LEACHATE.

LEACHATES

DUDAS MJ : BIOGEOCHEMISTRY OF TRACE-ELEMENTS, HEAVY-METALS, RADIOISOTOPES IN SOILS, PLANTS & TERRESTRIAL SYSTEMS; CLAY MINERALOGY; RESEARCH ON FLY-ASH LEACHATES, TOXIC INORGANICS IN THE ENVIRONMENT & CYCLING OF NOXIOUS HEAVY-METALS.

LEACHING

DODD DJR : CONTROL OF GAS, LIQUID, SOLID-EMISSIONS FROM THERMAL & NUCLEAR GENERATING STATIONS IN ONTARIO. FOCUS ON FLY-ASH & ACID-GAS CONTROL SYSTEM WASTE-DISPOSAL LEACHING BEHAVIOUR. ACID-GAS CONTROL TECHNOLOGIES.
GAYNOR JD : PERSISTENCE, DEGRADATION, MOVEMENT & LEACHING OF HERBICIDES. METABOLISM OF HERBICIDES BY PLANTS & ANALYSIS OF HERBICIDE RESIDUES IN CROPS. METHOD DEVELOPMENT FOR HERBICIDE ANALYSIS IN VARIOUS SUBSTRATES. INSTRUMENTAL ANALYSIS USING GAS, LIQUID & THIN LAYER CHROMATOGRAPHY, MASS-SPECTROSCOPY.

LEAD

CARTY AJ : HEAVY-METAL POLLUTION IN THE ENVIRONMENT. BINDING OF HEAVY-METALS BY LIGANDS OF BIOLOGICAL SIGNIFICANCE. CHELATION-THERAPY FOR HEAVY-METALS. METHYLATION OF LEAD AND TIN IN THE ENVIRONMENT. SELENIUM PROTECTION AGAINST HEAVY-METALS.
DABEKA WR : ANALYSIS FOR TRACE-ELEMENTS. TOXIC ELEMENTS: LEAD CADMIUM, ARSENIC, TIN, FLUORIDE, MERCURY; FOOD DIETARY INTAKES; ANALYTICAL WATER. INSTRUMENTAL EXPERTISE: GRAPHITE FURNACE ATOMIC, ABSORPTION SPECTROMETRY.
HUTCHINSON TC : ACID-RAIN STUDIES OF TERRESTRIAL-ECOSYSTEMS, HEAVY-METAL TOXICITY TO PLANTS AND ALGAE, ECOTOXICOLOGY OF NICKEL, COPPER, LEAD. EFFECTS OF SMELTERS. OIL-SPILL AND HYDROCARBON TOXICITY RESEARCH. ARCTIC AND BOREAL AREAS.
NERI LC : ENVIRONMENTAL-POLLUTION, INDOOR-AIR, VDT'S & REPRODUCTIVE EPIDEMIOLOGY, LEAD, MAGNESIUM & HEART-DISEASE. CONDUCT OF EPIDEMIOLOGICAL-STUDIES, CRITICAL REVIEWS OF LITERATURE, DESIGN OF INVESTIGATIONS.
SINGH RP : STUDIES ON THE EFFECTS OF ENVIRONMENTAL POLLUTANTS (INSECTICIDES, LEAD, MANGANESE) AND CHEMICALS (PLATINUM, CAFFEINE, LSD ETC.) ON THE GENETIC MATERIAL.

LEAD

SMITH LF : EPIDEMIOLOGICAL-STUDIES: POPULATION BASED INFORMATION-SYSTEMS FOR ONTARIO INCLUDING CANCER & REPRODUCTIVE OUTCOMES. POPULATION MONITORING FOR LEAD & PCBS. OUTBREAK INVESTIGATIONS.

SMITHSON GL : ENVIRONMENTAL CHEMICAL AND RADIOCHEMICAL ANALYSIS OF ALL SAMPLE TYPES. SET UP FIRST COMMERICAL RADIOCHEMICAL LAB IN CANADA (1974). ANALYSIS OF ALL CHEMICAL AND ELEMENTAL SPECIES INCLUDING RADIUM, LEAD, POLONIUM, THORIUM AND URANIUM ISOTOPES IN ANY SAMPLE TYPE. RADIOCHEMICAL PROCEDURES MANUAL.

WOTTON DL : LEAD: DEPOSITION & ACCUMULATION IN URBAN SOILS. SMELTER EMISSIONS, EXHAUST, PAINT RESIDUES. FOREST: EFFECTS FROM MINING SMELTERS ON VEGETATION & SOIL. NORTHERN BOREAL-FOREST ECOSYSTEMS, CONIFEROUS REGENERATION IMPACTS FROM HEAVY-METAL CONTAMINATED SOILS. SOIL & GEOLOGY SENSITIVITY MAPPING FOR ACID-RAIN. HERBICIDES.

LEAFCUTTER-BEES

CHARNETSKI WA : RELATIONSHIP OF AERIAL & GROUND APPLICATION OF AGRICULTURAL SPRAYS TO INSECT-CONTROL & PLANT DENSITY TO CROP CANOPY PENETRATION ON ALFALFA & CEREALS. EVALUATION OF INSECTICIDES & THEIR SAFETY TO BENEFICIAL INSECTS INCLUDING LEAFCUTTER-BEES. INSECTICIDE RESIDUE DYNAMICS IN TERRESTRIAL & AQUATIC-ECOSYSTEMS.

LECANORA

BRODO IM : TAXONOMY OF LICHENS, ESPECIALLY THE GENUS LECANORA AND STUDIES ON THE LICHENFLORA OF CANADA, ESPECIALLY BRITISH-COLUMBIA, ONTARIO & QUEBEC. SYSTEMATIC STUDIES OF VASCULAR PLANTS, BRYOPHYTES, LICHENS & ALGAE (SPECIES OCCURRING IN CANADA & ELSEWHERE IN NORTHERN HEMISPHERE); FLORISTIC STUDIES OF THESE & RARE & ENDANGERED-PLANTS IN CANADA.

LEGISLATION

MINISTERE LOISIR CHASSE ET PECHE : PARCS ET TERRITOIRES FAUNIQUES, FAUNE, FLORE ET HABITATS. PLANIFICATION, GESTION, AMENAGEMENT, INFORMATION, LEGISLATION ENVIRONNEMENTALE, RECHERCHE.

ROUSSEAU A : AVOCAT; DROIT-ENVIRONNEMENT; LOI; LEGISLATION ENVIRONNEMENTALE; LOI ECOLOGIQUE; LOI BIOLOGIQUE.

SIMKIN D : WILDLIFE ADMINISTRATION, POLICY AND PROGRAM DEVELOPMENT, RESEARCH AND TECHNOLOGY TRANSFER, LEGISLATION, ENFORCEMENT, USER TRAINING (FIREARM SAFETY, HUMANE-TRAP DEVELOPMENT, TEACHING, NATURALIST TRAINING), ORGANIZATIONAL STRATEGIES, COMMUNICATION WITH PUBLIC.

SIMPSON KJ : HAZARDOUS-WASTE MANAGEMENT: SITE SELECTION, PUBLIC PARTICIPATION, NEEDS STUDIES, FEASIBILITY STUDIES, TECHNOLOGY ASSESSMENT, SITE DEVELOPMENT, LEGISLATION. SOLID-WASTE MANAGEMENT, RECYCLING, INCINERATION, LANDFILLS, WASTE-DISPOSAL.

LEGUMES

SPRATT ED : RAINFOREST CLEARING IN INDONESIA USING CHEMICAL POISONING OF ECONOMICAL TREES THEN PLANTING FAST-GROWING CREEPING LEGUME VINES TO OVERTAKE THE UNDERGROWTH. P & K FERTILIZERS ARE NEEDED. GRADUAL TAKEOVER OF LEGUMES BY ECONOMICAL CROPS (IE. OIL PALM) USING TOP KILLERS TO CONTROL LEGUME UNDERGROWTH. STOPS SOIL EROSION IN TRANSITION FROM FOREST TO CROPS.

LEPIDOPTERES

VALERO JR : LUTTE MICROBIOLOGIQUE CONTRE LES INSECTES NUISIBLES. APPLICATION OPERATIONNELLE DE BACILLUS THURINGIENSIS POUR LE CONTROLE DES LEPIDOPTERES UTILISATION DES VIRUS ENTOMOPATHOGENES, EN PARTICULIER LES BACULOVIRUS POUR LA REPRESSION A COURT ET A LONG TERMES DES INSECTES. PATHO-BIOCHIMIE DES INSECTES.

LEUKOTRIENE-BIOSYNTHESIS

ALLY AI : CARDIOVASCULAR PHARMACOLOGY & TOXICOLOGY: EFFECTS OF ORGANIC METALS ON CARDIAC, BLOOD VESSEL & PLATELET FUNCTION, EMPHASIS ON MECHANISMS OF ACTION: EFFECTS OF NATURAL & MAN-MADE ORGANIC-COMPOUNDS ON PERIPHERAL SYMPATHETIC NERVOUS-SYSTEM & ON CICOSANOID & LEUKOTRIENE-BIOSYNTHESIS & FUNCTION. NEUROCHEMICAL CHARACTERIZATION OF EFFECTS ON CENTRAL NERVOUS-SYSTEM WITH FOCUS ON BIOGENIC AMINES.

LICHEN

BECKETT PJ : MOSS, LICHEN & MACROFUNGI AS BIOMONITORS OF ECOSYSTEM METAL BURDENS; GEOBOTANICAL-PROSPECTING EFFECTS OF METALS ON TERRESTRIAL-ECOSYSTEMS. RESTORATION OF ACID, METAL STRESSED LAND.

LICHEN

LECHOWICZ MJ : ECOLOGY OF PLANT PRODUCTIVITY. CONTROLS ON PLANT GROWTH AND REPRODUCTION, ESPECIALLY FOR ANNUAL WEEDS LIKE XANTHIUM-STRUMARIUM. NATURAL TREE DEFENSES AGAINST LEAF-FEEDING CATERPILLARS. CLIMATIC CONTROL OF LICHEN PRODUCTIVITY. ACID-RAIN EFFECTS ON LICHEN PRODUCTIVITY.
TIMS AJS : ACID-PRECIPITATION MONITORING; PROVINCIAL NETWORK DATA. OZONE MONITORING USING BIOMONITORS. LICHEN & MOSS BIOASSIMILATION OF TRACE-METALS & POLLUTANTS. RESPONSE TO PUBLIC COMPLAINTS OF AIR-POLLUTION INJURY TO VEGETATION.

LICHENFLORA

BRODO IM : TAXONOMY OF LICHENS, ESPECIALLY THE GENUS LECANORA AND STUDIES ON THE LICHENFLORA OF CANADA, ESPECIALLY BRITISH-COLUMBIA, ONTARIO & QUEBEC. SYSTEMATIC STUDIES OF VASCULAR PLANTS, BRYOPHYTES, LICHENS & ALGAE (SPECIES OCCURRING IN CANADA & ELSEWHERE IN NORTHERN HEMISPHERE); FLORISTIC STUDIES OF THESE & RARE & ENDANGERED-PLANTS IN CANADA.

LICHENS

BARCLAY-ESTRUP P : VEGETATION, SOIL, AIR-POLLUTION INTERRELATIONSHIPS, ESPECIALLY BRYOPHYTES AND LICHENS, ACID-PRECIPITATION AND HEAVY-METAL ACCUMULATIONS. GENERAL PLANT ECOLOGY.
BRODO IM : TAXONOMY OF LICHENS, ESPECIALLY THE GENUS LECANORA AND STUDIES ON THE LICHENFLORA OF CANADA, ESPECIALLY BRITISH-COLUMBIA, ONTARIO & QUEBEC. SYSTEMATIC STUDIES OF VASCULAR PLANTS, BRYOPHYTES, LICHENS & ALGAE (SPECIES OCCURRING IN CANADA & ELSEWHERE IN NORTHERN HEMISPHERE); FLORISTIC STUDIES OF THESE & RARE & ENDANGERED-PLANTS IN CANADA.
ROBITAILLE G : EFFECTS OF PRIMARY & SECONDARY AIR-POLLUTANTS INCLUDING ACID-RAIN ON FORESTS, SOILS, LICHENS & MOSSES; NUTRIENT CYCLING IN FOREST-ECOSYSTEMS; BIOGEOCHEMICAL CYCLES; BIOMONITORING; TREE-RING ANALYSIS IN RELATION TO POLLUTION.

LIMING

BRYDGES TG : EXPERIENCE IN ANALYSIS, WATER-CHEMISTRY AND BIOLOGICAL STUDIES AND LAKE LIMING. PRESENTLY A SCIENCE ADVISOR IN THE FEDERAL GOVERNMENT'S LONG-RANGE-TRANSPORT-OF-AIR-POLLUTANTS AND THEIR EFFECTS.
NYBORG M : RESEARCH ON SULPHUR-DEPOSITION BY WET & DRY DEPOSITION; FALL OUT OF ACIDIFICATION OF SOIL BY NITROGEN FERTILIZERS & LIMING OF SOILS.
SCOTT GW : RESEARCH INFORMATION ON ACID-RAIN: ATMOSPHERIC PROCESSES, AQUATIC EFFECTS (INCLUDES LAKE LIMING), TERRESTRIAL EFFECTS, SOCIO-ECONOMIC EFFECTS.

LIMNOCORRALS

KAUSHIK N : AQUATIC BIOLOGY; HEADWATER STREAMS; IMPACT OF AGRICULTURE ON STREAM ENVIRONMENTS; ALLOCHTHONOUS ORGANIC MATTER IN STREAMS; ECOTOXICOLOGY; USE OF LIMNOCORRALS IN ASSESSMENT OF PESTICIDES ON AQUATIC ENVIRONMENTS.

LIMNOLOGICAL

HALL KJ : ENVIRONMENTAL POLLUTION, SPECIFICALLY TRACE-METAL AND TRACE-ORGANIC CONTAMINANTS. PRODUCTION AND DECOMPOSITION PROCESSES IN MARSHES. LIMNOLOGICAL STUDIES ON NUTRIENT AVAILABILITY AND REGULATION OF PRODUCTION PROCESSES.
LIAW WK : LIMNOLOGICAL AND FISHERIES INVESTIGATIONS; ASSESSMENT OF FISH-STOCKS; AQUATIC ENVIRONMENTAL-IMPACT-ASSESSMENT; LAKE WATER-QUALITY AND TROPHIC STATUS ASSESSMENT; CULTURE OF FISH FINGERLINGS (WALLEYE AND WHITEFISH).
SMOL JP : LIMNOLOGICAL & PALEOLIMNOLOGICAL STUDIES IN NORTH AMERICA INCLUDING THE HIGH ARCTIC & EUROPE. PALEOECOLOGICAL RECORD OF LAKE ACIDIFICATION.
STEWART DB : BIOLOGICAL AND LIMNOLOGICAL INVENTORY OF LAKES IN THE NORTHWEST TERRITORIES; ZOOGEOGRAPHY, ECOLOGY, LIFE-HISTORY, AND PARASITISM OF ARCTIC FRESHWATER ANADROMOUS, AND MARINE FISHES; ZOOPLANKTON, PHYTOPLANKTON, AQUATIC INSECTS, AND WATER-CHEMISTRY OF ARCTIC LAKES; PHOTOGRAPHIC RECORD.

LIMNOLOGIE

AUCLAIR JC : HYDROBIOLOGIE; ECOLOGIE-AQUATIQUE; ECOSYSTEME AQUATIQUE; EUTROPHISATION; POLLUTION-EAU; LIMNOLOGIE; LAC ACIDIFICATION; PRECIPITATIONS-ACIDES LAC; ALGUE PLANCTON; PHYTOPLANCTON; CHLOROPHYLLE; OXYGENE DISSIUS; MATIERE ORGANIQUE; PHOSPHATE; PHOSPHORE.
GODBOUT G : BIBLIOGRAPHIES; DOCUMENTATION; INFORMATION SCIENTIFIQUE; TELEREFERENCE; REFERENCE; RENSEIGNEMENT TECHNIQUE; BANQUE-BIBLIOGRAPHIQUE AUTOMATISEE; ENVIRONNEMENT EAU; RESSOURCE EAU; ENVIRONNEMENT-AQUATIQUE; EAU RESSOURCE; ECOLOGIE EAU; ECOLOGIE-AQUATIQUE; HYDROLOGIE; LIMNOLOGIE; ASSAINISSEMENT-EAU; TRAITEMENT-EAUX-USEES.

LIMNOLOGIE

INRS-EAU : RECHERCHE MULTIDISCIPLINAIRE; ENSEIGNEMENT MULTIDISCIPLINAIRE; CENTRE DE RECHERCHE; RECHERCHE UNIVERSITAIRE; ENVIRONNEMENT EAU; RESSOURCE-EAU; ECOLOGIE EAU; HYDROLOGIE; HYDROBIOLOGIE; LIMNOLOGIE; ASSAINISSEMENT-EAU; TRAITEMENT-EAUX-USEES.
LECLERC M : LAC; CIRCULATION; PHYSIQUE; LAC STRATIFICATION TEMPERATURE; LAC TURBULENCE; LAC BUDGET; BILAN; EQUILIBRE; TURNOVER LAC; LIMNOLOGIE PHYSIQUE.;

LIMNOLOGIST

CROSS PM : LIMNOLOGIST RESPONSIBLE FOR ROUTINE WATER-QUALITY MONITORING & SPECIAL STUDIES WITHIN THE RED-DEER, OLDMAN & MILK-RIVER BASINS. MAINTAIN & APPLY WATER-QUALITY SIMULATION MODEL (WQRRS) TO RIVERS IN THE SOUTH-SASKATCHEWAN RIVER BASIN.

LIMNOLOGY

ATTON FM : LIMNOLOGY: APPLIED ASPECTS AND ENVIRONMENTAL-IMPACT-ASSESSMENT. FISH AND MANAGEMENT OF FISHERIES; IDENTIFICATION OF ARCHAEOLOGICAL FISH FAUNAL MATERIAL. LAKE MANAGEMENT: INFERTILE SUBARCTIC LAKES & EUTROPHIC LAKES. CONSULTANT TO GOVERNMENT, PRIVATE CORPORATIONS.
BARICA J : LIMNOLOGY OF EUTROPHIC LAKES: NUTRIENT AND OXYGEN REGIMES, FORMATION OF ALGAL BLOOMS: CYANOPHYTA ECOLOGY, ALGAL CONTROL, PREDICTIONS OF LAKE PRODUCTIVITY; CAUSES AND REMEDIES OF MASSIVE FISH MORTALITIES (SUMMER AND WINTER FISH KILLS); NUTRIENT CONTAMINANTS INTERACTIONS; LAKE RESTORATION.
CHARLTON SED : PHYCOLOGY, LIMNOLOGY OF RUNNING WATER, LAKES & RESERVOIRS.
ELDER FC : RESEARCH MANAGEMENT IN AREAS RELATED TO ACID-PRECIPITATION EFFECTS ON AQUATIC SYSTEMS, PHYSICAL LIMNOLOGY AND WATER-RESOURCE DATA-MANAGEMENT, ENVIRONMENTAL AND WATER-RESOURCE MONITORING.
GANNON J E : LIMNOLOGY WITH SPECIAL EMPHASIS ON ZOOPLANKTON ECOLOGY. WATER-RESOURCES MANAGEMENT & ENVIRONMENTAL EDUCATION, SECRETARIAT DUTIES WITH RESPONSIBILITY FOR OVERSEEING US & CANADIAN MONITORING & SURVEILLANCE PROGRAMS ON THE GREAT-LAKES.
KALFF J : AQUATIC ECOLOGY, LIMNOLOGY, MACROPHYTES AND PHYTOPLANKTON, NUTRIENTS, PRODUCTION AND BIOMASS, WATERSHEDS, NUTRIENT AND TOXINS RELATIONSHIPS OF PRIMARY PRODUCTION TO SECONDARY AND FISH PRODUCTION. TROPICAL, TEMPERATE AND ARCTIC LAKES.
KENNEY BC : PHYSICAL LIMNOLOGY OF PRAIRIE LAKES INCLUDING ASPECTS OF AIR & WATER INTERACTION, MIXING AND TURBULENCE, SEDIMENT RESUSPENSION AND LARGE SCALE LAKE CIRCULATION. EUTROPHICATION AND PHOSPHORUS DYNAMICS MODELS. WATER CIRCULATION UNDER WINTER ICE.
KOHLI B : PHYSICAL LIMNOLOGY; HYDRODYNAMIC-MODELLING & WATER-QUALITY SIMULATION, SEDIMENT. TRANSPORT, DISPERSION & DIFFUSION PROCESSES. ASSESSMENTS AND OPTIMIZATION OF SEWAGE OUTFALL (SUBMERGED DIFFUSERS) AND WATER INTAKE. LAKE HARBOUR EXCHANGE PROCESSES.
LAKSHMINARAYANA JSS : BIOLOGICAL LIMNOLOGY & OCEANOGRAPHY; POLLUTION, WATER-QUALITY, ALGAE, PHYTOPLANKTON, PRODUCTIVITY. TEACHING, SCIENTIFIC RESEARCH & DEVELOPMENT: COASTAL, MARINE & FRESHWATER ENVIRONMENT.
MACCRIMMON HR : RESEARCH LIES WITHIN AREA OF FISHERIES SCIENCE & MANAGEMENT; LIMNOLOGY & ENVIRONMENTAL-QUALITY, ESPECIALLY WARMWATER & COLDWATER AQUACULTURE & FISH BIOLOGY, ECOLOGY, & ZOOGEOGRAPHY.
MITCHELL PA : LIMNOLOGY OF EUTROPHIC, SHALLOW LAKES; WATER-QUALITY MONITORING; IMPACT-ASSESSMENT OF SURFACE-WATERS; CHARACTERIZATION OF FLOWING WATERS.
NICHOLSON HF : CONTINUING PROCESS OF BIBLIOGRAPHIES ON THE LIMNOLOGY AND FISHERIES OF CANADIAN FRESHWATERS.
PETERS RH : STUDIES OF GENERAL PATTERNS IN ECOLOGY & LIMNOLOGY; ESPECIALLY ALLOMETRY & EUTROPHICATION RESEARCH. GOAL IS TO PREDICT & DESCRIBE PRODUCTIVITY, ENERGY & MATERIAL FLOW IN AQUATIC & OTHER COMMUNITIES. TREATING FILTER FEEDING BY ZOOPLANKTON & ANALYSIS OF LITERATURE DATA. CRITICAL ANALYSIS OF ECOLOGICAL CONCENTRATION.
ROBERTSON DG : CONVERSION, ANALYSIS & DISPLAY OF COMPUTER FILES OF A VARIETY OF PHYSICAL LIMNOLOGY PARAMETERS.
RYAN PM : FRESHWATER BIOLOGY. FACTORS DETERMINING THE ABUNDANCE AND DISTRIBUTION OF FRESHWATER ORGANISMS. GENERAL LIMNOLOGY. AQUATIC ECOLOGY.
SHINDLER DB : SCIENTIFIC POLICY ADVICE ON BIOTECHNOLOGY & SAFETY REGULATIONS CONCERNING ENVIRONMENTAL & LARGE-SCALE APPLICATIONS. EXPERTISE IN MICROBIOLOGY, LIMNOLOGY, BIOLOGICAL MONITORING OF TOXIC SUBSTANCES, WATER-QUALITY, LAKE ALGAL-BLOOMS & EUTROPHICATION, AQUATIC ALGAE & MACROPHYTES, BACTERIAL PHYSIOLOGY & BIOCHEMISTRY, ENZYMOLOGY. COORDINATOR OF CANADA'S NATIONAL BIOTECHNOLOGY STRATEGY.
UNDERWOOD JK : LIMNOLOGY; NUTRIENT ENRICHMENT & ACID-RAIN IMPACT-ASSESSMENT.
VALLENTYNE JR : BIOSPHERE; ENVIRONMENTAL EDUCATION (YOUTH); LIMNOLOGY; SCIENCE POLICY; SCIENCE & SOCIETY INTERACTION; GREAT-LAKES RESEARCH ADVISOR.

LIQUID-WASTE

BROWN WFM : INDUSTRIAL ENVIRONMENTAL-PLANNING AND CONTROL. AIR, WATER AND SOLID AND LIQUID-WASTE. BUFFER AREAS, LANDSCAPING.

LIQUID-WASTE

LORBERG EF : ANALYSIS OF PROPOSED SCHEMES FOR DISPOSAL OF LIQUID-WASTE INTO DEEP FORMATIONS, WESTERN SEDIMENTARY BASIN WITH RESPECT TO CONSERVATION OF NATURAL-RESOURCES, MAINLY GROUNDWATER AND PROTECTION OF THE ENVIRONMENT.
NEILSON JM : MINERAL EXPLORATION. MINE DEVELOPMENT. MINE-TAILINGS DISPOSAL. SOLID & LIQUID-WASTE DISPOSAL. REGENERATION OF MINED AREAS. REVEGETATION: TEMPERATE & TROPICAL. SURFACE & SUBSURFACE POLLUTION. ACID-RAIN RESEARCH (CANADA & NORWAY). WELL DRILLING: SUBSURFACE WATER-SUPPLY.

LISIERES

TRUDEL MJ : LA FACULTE DES SCIENCES DE L' AGRICULTURE ET DE L' ALIMENTATION DE L' UNIVERSITE LAVAL REALISE UNE VINGTAINE DE PROJETS DE RECHERCHE RELIES A L' ENVIRONNEMENT NOTAMMENT SUR LES SUJETS SUIVANTS: TRAITEMENT ET MANUTENTION DES LISIERES ET FUMIERS, EPURATION-DES-EAUX-USEES, CONSERVATION DES SOLS, BILAN HYDRIQUE DES SOLS, PERSISTANCE DES PESTICIDES, ZONAGE BIOCLIMATIQUE.

LIVER

FEUER GM : MECHANISM OF ACTION OF FOREIGN COMPOUNDS ON THE LIVER CELL AND ITS PHYSIOLOGICAL AND PATHOLOGICAL CONSEQUENCES IN VARIOUS TARGET ORGANS. ROLE OF STEROID HORMONES AND RECEPTOR BINDING IN THE IATROGENIC ACTIONS OF ENVIRONMENTAL CHEMICALS ON THE LIVER, PARTICULARLY IN TUMOUR PRODUCTION (CHEMICAL CARCINOGENESIS). STUDIES ON HUMAN MELANOMA RELATED TO ALTERED PINEAL FUNCTION.
MARKS GS : STUDIES OF THE EFFECTS OF XENOBIOTICS SUCH AS POLYCHLORINATED-BIPHENYLS, HEXACHLOROBENZENE, ETC. ON THE HEPATIC HEME BIOSYNTHETIC PATHWAY. STUDIES ARE CARRIED OUT IN CHICK EMBRYO LIVER AND ARE DIRECTED TO THE MECHANISM BY WHICH XENOBIOTICS AFFECT THE HEME BIOSYNTHETIC PATHWAY.
NICHOLLS DM : THE EFFECT OF HEAVY-METALS ON MRNA TRANSLATION AND ON ENZYME ACTIVITY, ESPECIALLY ON KIDNEY, BRAIN, LIVER, AND MUSCLE OF MAMMALS AND FISH.

LIVESTOCK

ABRAMSON D : MYCOTOXINS IN STORED CEREALS & OILSEEDS: DEVELOPMENT MYCOLOGY, METHODS OF ANALYSIS; MYCOTOXIN METABOLISM IN LIVESTOCK; FUNGAL ODOUR ANALYSIS; MASS-SPECTROMETRY OF MYCOTOXINS & RELATED METABOLITES.
SHIPP JL : ECOLOGY & PEST-MANAGEMENT OF BLACK-FLIES THAT ATTACK LIVESTOCK. STUDIES ON BIOLOGY & COLONIZATION OF BLACK-FLIES & ON DEVELOPMENT OF IPM PROGRAMS FOR BLACK-FLY CONTROL.
SUDOM MD : SOIL SURVEY & LAND-USE STUDIES. ENVIRONMENTAL GUIDELINES FOR LIVESTOCK OPERATIONS. LAND-USE MONITORING.
TAYLOR MC : FORMULATING GUIDELINES RE WATER-QUALITY OBJECTIVE FOR INLAND WATERS FOR: AQUATIC AND WILDLIFE; RAW PUBLIC WATER-SUPPLIES; AGRICULTURE-IRRIGATION; LIVESTOCK WATERING; RECREATION; INDUSTRY.
TRENHOLM HL : TOXICOLOGY OF MYCOTOXINS IN ANIMAL FEEDS FOR LIVESTOCK AND POULTRY. METABOLISM OF MYCOTOXINS. DETOXIFICATION OF NATURAL CONTAMINANTS & TOXIC RESIDUES IN ANIMAL PRODUCTS.

LOBSTER

COOK RH : AQUACULTURE DEVELOPMENT (ATLANTIC SALMON, AMERICAN LOBSTER, SEA SCALLOPS) GROWTH & REPRODUCTIVE PHYSIOLOGY, DISEASE & NUTRITION, DIET FORMULATIONS, METHODS OF DISEASE-PREVENTION, GENETICS. POLLUTION EFFECTS ON FISH: ECOLOGICAL STUDIES, SUBLETHAL BIOLOGICAL EFFECTS, METHODS, DETECTION & ANALYSIS OF TRACE ORGANIC & INORGANIC TOXIC-CHEMICALS.
HARDING GCH : LARVAL ECOLOGY OF NORTH-AMERICAN LOBSTER. THE VERTICAL MIGRATION OF ZOOPLANKTON. THE DYNAMICS OF ORGANOCHLORINES IN MARINE ZOOPLANKTON.

LOGGING

MANITOBA NATURALISTS SOCIETY : FIVE ACTION COMMITTEES MONITOR THE ENVIRONMENT OF MANITOBA IN PARTICULAR, BUT ALSO STUDY NATIONAL AND INTERNATIONAL ISSUES. THEY ARE PARKS, WILDLIFE, URBAN-ENVIRONMENT, HABITAT CONSERVATION AND ENVIRONMENTAL ACTION. VARIOUS POSITION PAPERS AND BRIEFS ARE WRITTEN REGARDING ENVIRONMENTAL ISSUES AND BROUGHT FORWARD TO THE GOVERNMENT AND INDUSTRY RESPONSIBLE. HECLA ISLAND MANAGEMENT PLAN, LOGGING IN ATIKAKI WILDERNESS AREA, CITY OF WINNIPEG RIVERS AND STREAM AUTHORITY, HYDRO ELECTRIC DEVELOPMENT (CONAWAPA) AND STORAGE OF NUCLEAR-WASTE.
SCOTT GAJ : MAN'S IMPACT ON SOIL VEGETATION NUTRIENT SYSTEMS, PARTICULARLY THROUGH DEFORESTATION BY LOGGING OR SHIFTING CULTIVATION IN THE HUMID TROPICS & SUBTROPICS.

LONG-RANGE-AIRBORNE-POLLUTION

FISHER KL : INFLUENCE OF LONG-RANGE-AIRBORNE-POLLUTION ON WILDLIFE VIA FOOD-CHAIN. BIOLOGICAL EFFECTS OF LONG-RANGE DEPOSITION OF HEAVY-METALS & THE CONSEQUENCES FOR WILDLIFE OF METAL MOBILIZATION UNDER ACIDIC CONDITIONS. PROGRAM MANAGER OF LRTAP PROGRAM FOR CANADIAN WILDLIFE SERVICE.

LONG-RANGE-ATMOSPHERIC-POLLUTANTS

OUELLET M : PALEOLIMNOLOGICAL STUDY OF LAKE SEDIMENTS AS A MEANS OF RECONSTRUCTING PAST ANTHROPOGENIC IMPACTS. LONG-RANGE-ATMOSPHERIC-POLLUTANTS SUCH AS ACIDIFYING PRODUCTS, HEAVY-METALS, FLUORIDES AND POLYCYCLIC-HYDROCARBONS.

LONG-RANGE-TRANSPORT

BLOXAM RM : APPLIED ATMOSPHERIC MODELLING. LONG-RANGE-TRANSPORT RELATED TO EITHER AIR-QUALITY OR TO DRY & WET DEPOSITION. SHORT RANGE AIR-QUALITY MODELLING.
LEY BE : AIR-QUALITY MODELLING INCLUDING SMALL SCALE, MESOSCALE & LONG-RANGE TRANSPORT OXIDANT SIMULATION, MESOSCALE METEOROLOGICAL MODELLING FOR APPLICATION IN AIR-POLLUTION STUDIES. LONG-RANGE-TRANSPORT MODELLING EMPLOYING LAGRANGIAN MODELS.
MISRA PK : AIR-POLLUTION MODELLING AT ALL SCALES OF MOTION. BOUNDARY LAYER RESEARCH. LONG-RANGE-TRANSPORT MODELLING.

LONG-RANGE-TRANSPORT-OF-AIR-POLLUTANTS

BRYDGES TG : EXPERIENCE IN ANALYSIS, WATER-CHEMISTRY AND BIOLOGICAL STUDIES AND LAKE LIMING. PRESENTLY A SCIENCE ADVISOR IN THE FEDERAL GOVERNMENT'S LONG-RANGE-TRANSPORT-OF-AIR-POLLUTANTS AND THEIR EFFECTS.
NICOLSON JA : IMPACT OF FOREST MANAGEMENT PRACTICES & THE LONG-RANGE-TRANSPORT-OF-AIR-POLLUTANTS ON HYDROLOGICAL PROCESSES IN FOREST-ECOSYSTEMS.
OLSON MP : APPLICATION OF LAGRANGIAN (TRAJECTORY) LONG-RANGE-TRANSPORT-OF-AIR-POLLUTANTS MODEL TO NORTH AMERICAN, ARCTIC & SOME WESTERN EUROPEAN DOMAINS. MAINTAIN DATA-BASES FOR MODEL APPLICATIONS.

LONG-RANGE-TRANSPORT-OF-AIR-POLLUTION

CHUNG YS : LONG-RANGE-TRANSPORT-OF-AIR-POLLUTION (LRTAP), SATELLITE DETECTION OF AIR-POLLUTION, EMISSION OF FOREST FIRES, OZONE, SULPHATE, TSP & CARBON-DIOXIDE.
VILLARD S : LONG-RANGE-TRANSPORT-OF-AIR-POLLUTION. METHODOLOGIES FOR ANALYSIS OF PRECIPITATION & AIR. METHOD DEVELOPMENT FOR ANALYSIS OF WATER, AIR, SOILS, BIOTA.

LOONS

PRICE I : COORDINATING CANADIAN WILDLIFE SERVICE PROGRAM OF CONTACT WITH LATIN-AMERICAN WILDLIFE AGENCIES; ORNITHOLOGY: RAPTORS, LOONS, HERONS. NON-GAME PROGRAM COORDINATOR FOR CANADIAN WILDLIFE SERVICE.

LOWLANDS

PROTZ R : SOIL GENESIS & CLASSIFICATION. SOIL FORMATION IN THE HUDSON & JAMES-BAY LOWLANDS. REMOTE-SENSING APPLICATIONS TO SOILS & AGRICULTURE. SOIL BIOLOGY & MICROPEDOLOGY.

LRTAPS

PHILLIPS SF : VEGETATION & SOIL STUDIES TO DETERMINE DEGREE & EXTENT OF ENVIRONMENTAL-CONTAMINATION & EFFECTS ON TERRESTRIAL-ECOSYSTEMS. DIRECT & INDIRECT EFFECTS OF HEAVY-METALS & SULPHUR-DIOXIDE FROM NON-FERROUS METAL SMELTERS ON BOREAL-FOREST ECOSYSTEMS; MONITOR LRTAPS. WOOD PRESERVATIVE CHEMICALS.

LSD

SINGH RP : STUDIES ON THE EFFECTS OF ENVIRONMENTAL POLLUTANTS (INSECTICIDES, LEAD, MANGANESE) AND CHEMICALS (PLATINUM, CAFFEINE, LSD ETC.) ON THE GENETIC MATERIAL.

LUNG

MASSEY TE : PULMONARY TOXICOLOGY: INVESTIGATING THE ROLES OF DIFFERENT LUNG & AIRWAY CELL TYPES IN THE TOXIFICATION & DETOXIFICATION OF ENVIRONMENTAL CHEMICALS.

MACROBENTHOS

ROSENBERG DM : DESIGN OF ENVIRONMENTAL-IMPACT STUDIES; EFFECTS OF ENVIRONMENTAL DISTURBANCES ON MACROBENTHIC INVERTEBRATES; SAMPLING METHODS & DESIGN OF SAMPLING PROGRAMS FOR MACROBENTHOS; ECOLOGY OF CHIRONOMIDAE; AQUATIC INSECTS OF FRESHWATER WETLANDS.

MACROFUNGI

BECKETT PJ : MOSS, LICHEN & MACROFUNGI AS BIOMONITORS OF ECOSYSTEM METAL BURDENS; GEOBOTANICAL-PROSPECTING EFFECTS OF METALS ON TERRESTRIAL-ECOSYSTEMS. RESTORATION OF ACID, METAL STRESSED LAND.

MACROINVERTEBRATES

DAVIES RW : INVESTIGATIONS OF THE ABUNDANCE AND DISTRIBUTION OF FRESHWATER BENTHIC MACROINVERTEBRATES. STUDIES ON PREDATOR AND PREY INTERACTIONS, SANGUIVORY AND THE EFFECTS OF HYPOXIA, AND ANOXIA HAVE BEEN CARRIED OUT.

MACROPHYTES

HAVAS M : EFFECTS OF LOW PH AND METALS (A1, 2N, NI, FE, CA, ETC) ON SURVIVAL, REPRODUCTION, SODIUM REGULATION CHEMICAL-COMPOSITION OF AQUATIC INVERTEBRATES FROM BOTH ARCTIC (SMOKING HILLS, NWT) AND TEMPERATE REGIONS. METAL CONTENT AND LOCALIZATION IN AQUATIC MACROPHYTES. EFFECTS OF ALUMINUM ON SUGAR-MAPLE DIEBACK.

KALFF J : AQUATIC ECOLOGY, LIMNOLOGY, MACROPHYTES AND PHYTOPLANKTON, NUTRIENTS, PRODUCTION AND BIOMASS, WATERSHEDS, NUTRIENT AND TOXINS RELATIONSHIPS OF PRIMARY PRODUCTION TO SECONDARY AND FISH PRODUCTION. TROPICAL, TEMPERATE AND ARCTIC LAKES.

PRASAD R : EXPERTISE IN: PESTICIDES FOR PROTECTION AND REGENERATION OF CANADIAN FOREST; HERBICIDES FOR FOREST RENEWAL AND IN STUDYING THE FATE OF HERBICIDES IN FOREST ENVIRONMENT; HERBICIDES FOR CONTROL OF MACROPHYTES.

SHINDLER DB : SCIENTIFIC POLICY ADVICE ON BIOTECHNOLOGY & SAFETY REGULATIONS CONCERNING ENVIRONMENTAL & LARGE-SCALE APPLICATIONS. EXPERTISE IN MICROBIOLOGY, LIMNOLOGY, BIOLOGICAL MONITORING OF TOXIC SUBSTANCES, WATER-QUALITY, LAKE ALGAL-BLOOMS & EUTROPHICATION, AQUATIC ALGAE & MACROPHYTES, BACTERIAL PHYSIOLOGY & BIOCHEMISTRY, ENZYMOLOGY. COORDINATOR OF CANADA'S NATIONAL BIOTECHNOLOGY STRATEGY.

WEINBERGER P : ECOPHYSIOLOGY AND TOXICOLOGY WITH SPECIAL REFERENCE TO SOILS, SOIL MICROORGANISMS, WATER (FRESH AND ESTUARINE) AQUATIC MICRO AND MACROPHYTES AND SOME TREES INDIGENOUS TO CANADA. FATE TRANSPORT, UPTAKE, EFFECTS ON PHYSIOLOGY AND DEVELOPMENT OF N2-FIXING CYANOBACTERIA, ALGAE, AQUATIC MACROPHYTES AND SOME GYMNOSPERM AND ANGIOSPERM TREE SEEDS.

MAGNESIUM

NERI LC : ENVIRONMENTAL-POLLUTION, INDOOR-AIR, VDT'S & REPRODUCTIVE EPIDEMIOLOGY, LEAD, MAGNESIUM & HEART-DISEASE. CONDUCT OF EPIDEMIOLOGICAL-STUDIES, CRITICAL REVIEWS OF LITERATURE, DESIGN OF INVESTIGATIONS.

MAMMAL

ZAMMUTO RM : RELATIONSHIPS AMONG VARYING ENVIRONMENTAL CONDITIONS AND LIFE-HISTORIES OF BIRD AND MAMMAL POPULATIONS IN MONTANE OR BOREAL AREAS. TERRESTRIAL-ECOLOGY, ZOOLOGY, SURVIVAL, WILDLIFE, NON-GAME, REPRODUCTION, ORNITHOLOGY, WEATHER, BIOMETEOROLOGY, BIOMETRICS, BOREAL, CLIMATE, CONSERVATION, METEOROLOGY, MAMMAL POPULATION.

MAMMALS

BURGESS LCN : FLOOD HAZARD EVALUATION THROUGH REMOTE-SENSING. ENVIRONMENTAL-PROTECTION. SUBUNIT'S EXPERTISE ALSO INCLUDES OCEANOGRAPHY, WILDLIFE, FISHERY & MARINE BIOLOGY, HYDROLOGY, GEOMORPHOLOGY, MARINE MAMMALS, ENVIRONMENTAL-ENGINEERING.

CLAYTON JW : BIOCHEMICAL GENETICS, POPULATION GENETICS, SYSTEMATICS AND EVOLUTIONARY BIOLOGY OF FISHES AN ARCTIC MARINE MAMMALS.

DOUBLEDAY WG : POPULATION-DYNAMICS & MANAGEMENT OF MARINE & ANADROMOUS FISH & MARINE MAMMALS.

MAMMALS

KUCERA E : MAMMALS AS INDICATORS OF ENVIRONMENTAL-QUALITY OR CONTAMINATION. MERCURY IN MINK & OTTER. HEAVY-METALS IN WILD MAMMALS. FLUORIDES IN DEER & SMALL MAMMALS. TRANSLATOR: CZECH, GERMAN, RUSSIAN, SLOVAK INTO ENGLISH; ENGLISH INTO CZECH, GERMAN.
MANSFIELD AW : BIOLOGY & ECOLOGY OF MARINE MAMMALS EFFECTS OF MAN'S ACTIVITIES, ESPECIALLY HYDRO ELECTRIC & HYDROCARBON DEVELOPMENT, ON THESE SPECIES.
MARGOLIS L : DISEASES AND PARASITES OF FISHES. PARASITES OF MARINE MAMMALS AND INVERTEBRATES. EFFECTS OF ENVIRONMENTAL ALTERATION ON PARASITES AND DISEASES OF AQUATIC ANIMALS. PARASITES AS BIOLOGICAL TAGS FOR FISH POPULATIONS.
MIHOK S : RADIONUCLIDE TRANSPORT IN MAMMALS. RADIOECOLOGY OF RODENTS. HEMATOLOGY. PARASITOLOGY. IMMUNOLOGY. PATHOLOGY.
NICHOLLS DM : THE EFFECT OF HEAVY-METALS ON MRNA TRANSLATION AND ON ENZYME ACTIVITY, ESPECIALLY ON KIDNEY, BRAIN, LIVER, AND MUSCLE OF MAMMALS AND FISH.
ROY RM : MODIFICATION OF DAMAGE & RECOVERY FOLLOWING IRRADIATION BY PHARMACOLOGICAL DOSES OF D-TOCOPHEROL IN MAMMALS. PARAMETERS INVESTIGATED INCLUDE SURVIVAL OF REAMATOPOIETIC-STEM-CELLS, PERIPHERAL BLOOD DIFFERENTIAL COUNTS, HUMORAL-IMMUNE RESPONSE & LYMPHOCYTE PROLIFERATION.

MANGANESE

IVARSON KC : STUDY THE TRANSFORMATION OF IRON & MANGANESE BY SOIL MICROBES; THE RELEASE OF ELEMENTS FROM MINING ORES BY MICROBES; THE PRODUCTION OF PROTEIN & ALCOHOL FROM WASTES BY MICROBES.
SINGH RP : STUDIES ON THE EFFECTS OF ENVIRONMENTAL POLLUTANTS (INSECTICIDES, LEAD, MANGANESE) AND CHEMICALS (PLATINUM, CAFFEINE, LSD ETC.) ON THE GENETIC MATERIAL.
STEVENSON LS : MANGANESE NODULES ON OCEAN FLOOR; FLUORIDE CONTENT IN TOOTH MINERALS.

MANITOBA

MANITOBA NATURALISTS SOCIETY : FIVE ACTION COMMITTEES MONITOR THE ENVIRONMENT OF MANITOBA IN PARTICULAR, BUT ALSO STUDY NATIONAL AND INTERNATIONAL ISSUES. THEY ARE PARKS, WILDLIFE, URBAN-ENVIRONMENT, HABITAT CONSERVATION AND ENVIRONMENTAL ACTION. VARIOUS POSITION PAPERS AND BRIEFS ARE WRITTEN REGARDING ENVIRONMENTAL ISSUES AND BROUGHT FORWARD TO THE GOVERNMENT AND INDUSTRY RESPONSIBLE. HECLA ISLAND MANAGEMENT PLAN, LOGGING IN ATIKAKI WILDERNESS AREA, CITY OF WINNIPEG RIVERS AND STREAM AUTHORITY, HYDRO ELECTRIC DEVELOPMENT (CONAWAPA) AND STORAGE OF NUCLEAR-WASTE.
WINSTONE RW : ADMINISTER & MANAGE PROVINCIALLY OWNED CROWN LANDS IN MANITOBA INCLUDES LAND-USE CLASSIFICATION & ALL FORMS OF CONTRACTUAL USE OF LAND & MANAGEMENT PROGRAMS.

MANURES

VISSER SA : EFFECTS OF MANURES, COMPOSTS & HUMIC-SUBSTANCES ON SOIL MICROFLORA, HIGHER PLANTS, SOIL PROPERTIES & ON POLLUTION OF NATURAL WATERS.
WARMAN PR : SOIL-FERTILITY & CONSERVATION THROUGH ORGANIC AMENDMENTS (ANIMAL & GREEN MANURES, COMPOSTS, SEWAGE SLUDGE); MINE-TAILINGS & LAND RECLAMATION; SOIL & PLANT RELATIONSHIPS IN CONSERVATION & RECLAMATION.

MAPLE

DIMMA D : DETERMINES THE SENSITIVITY OF ONTARIO SOILS TO ACIDIC-PRECIPITATION. RESEARCH INCLUDES THE COLLECTION OF BASELINE SOIL INFORMATION, SIMULATED ACIDIC-PRECIPITATION EXPERIMENTS AND SOIL-BUFFERING CURVE EXPERIMENTS, AND THE ROLE THAT ACID-PRECIPITATION IS PLAYING IN MAPLE DECLINE IN ONTARIO.

MAPPING

DOBSON HFH : ST-LAWRENCE & GREAT-LAKES: WATER-CHEMISTRY, WATER-QUALITY: TREND ANALYSIS AND MAPPING OF DISTRIBUTIONS, ESPECIALLY THE ASPECT OF PHOSPHORUS MANAGEMENT AND ITS RESULTS.
FAULKNER P : MOLECULAR GENETICS OF INSECT BACULOVIRUSES. PHYSICAL MAPPING OF BACULOVIRUS GENOMES. USE OF THE BACULOVIRUS AS AN EXPRESSION VECTOR OF FOREIGN DNA. MOLECULAR BASIS OF VIRUS VIRULENCE AND HOST RANGE.
HARRIS SA : USE OF PERMAFROST LANDS; MAPPING OF PERMAFROST; SOILS, LANDFORMS & VEGETATION OF ALPINE & PERMAFROST AREAS; ENVIRONMENTAL EFFECTS OF DISTURBANCE OF ALPINE & PERMAFROST ENVIRONMENTS. ENVIRONMENTAL EFFECTS OF CLIMATIC CHANGES.
KESIK AB : GEOMORPHOLOGICAL & HYDROLOGICAL SURVEY AND MAPPING. REMOTE-SENSING OF NATURAL-RESOURCES. TERRAIN EVALUATION.
LOWRY RT : RADAR REMOTE-SENSING; ICE MANAGEMENT SYSTEMS; ATMOSPHERIC MODELLING; GROUNDWATER MODELLING GEOLOGICAL TESTING, LAND-USE MAPPING; WEATHER MODIFICATION; APPLIED MECHANICS.

MAPPING

MACLOCK B : FLOODPLAIN MANAGEMENT: INCLUDES FLOOD RISK MAPPING & FLOOD DAMAGE ESTIMATES. FLOOD PROOFING & FLOOD WARNING: TO REDUCE FLOOD DAMAGE POTENTIAL. DRAINAGE & WETLAND MANAGEMENT: MULTIDISCIPLINARY METHODS IN THE CONTEXT OF ECONOMIC EFFICIENCY AND ENVIRONMENTAL NEEDS. MEASURING AMOUNTS AND TYPES OF WETLANDS USING SATELLITE, REMOTE-SENSING & COLOUR-INFRARED AERIAL-PHOTOGRAPHY.
MOORE WC : SATELLITE IMAGE & AERIAL-PHOTO INTERPRETATION TECHNIQUES FOR ECONOMIC & OPERATIONAL MAPPING OF SIGNIFICANT DEPLETIONS IN FOREST RESOURCE INVENTORIES FOR GEOGRAPHIC INFORMATION SYSTEM INPUTS IN COLLABORATION WITH OTHER JURISDICTIONS.
OSWALD ET : VEGETATION CLASSIFICATION AND MAPPING, PLANT ECOLOGY, FOREST RESOURCE ANALYSES AND ENVIRONMENTAL-IMPACT-ASSESSMENTS IN NORTH AND WEST CANADA. EXPERTISE IN VEGETATION CLASSIFICATION, SITE-ANALYSIS, PLANT-SUCCESSION, WETLANDS AND REMOTE-SENSING.
PENDERGAST BA : EVALUATION, CLASSIFICATION & MAPPING OF WILDLIFE HABITAT. DEVELOPMENT OF TECHNIQUES FOR AUTOMATED & MANUAL MAPPING PROCEDURES. DEVELOPMENT OF ECOLOGICAL DATA-COLLECTION TECHNIQUES.
REID RH : MAPPING TECHNICIAN SPECIALIZING IN THE CANADA LAND INVENTORY PROGRAM SOIL, TERRAIN, WILDLIFE, VEGETATION & OTHER RESOURCE MAPPING.
SIMS RA : VEGETATION AND SITE-CLASSIFICATION OF BOREAL-FORESTS, SUBARCTIC WETLAND AND ARCTIC TUNDRA AREAS. FOREST-ECOSYSTEM CLASSIFICATION OF BOREAL NORTHERN ONTARIO. REMOTE-SENSING FOR VEGETATION STUDY; MAPPING AND INVENTORY (USING SATELLITE AND AERIAL-PHOTO DATA).
WOTTON DL : LEAD: DEPOSITION & ACCUMULATION IN URBAN SOILS, SMELTER EMISSIONS, EXHAUST, PAINT RESIDUES. FOREST: EFFECTS FROM MINING SMELTERS ON VEGETATION & SOIL, NORTHERN BOREAL-FOREST ECOSYSTEMS, CONIFEROUS REGENERATION IMPACTS FROM HEAVY-METAL CONTAMINATED SOILS. SOIL & GEOLOGY SENSITIVITY MAPPING FOR ACID-RAIN. HERBICIDES.

MARICULTURAL

DRUEHL LD : KELP: DEVELOPMENT OF MARICULTURAL SYSTEMS; REPRODUCTIVE BIOLOGY; RECOMBINANT DNA STUDIES.

MARICULTURE

AKENHEAD SA : FISHERIES OCEANOGRAPHY, BIOLOGICAL OCEANOGRAPHY, FISHERIES MANAGEMENT, ECOLOGICAL MODELLING, HYDROGRAPHY, OCEANOGRAPHIC INSTRUMENTS, MARICULTURE.

MARINE

AYLES GB : RESEARCH ON GENETICS OF FISH, FISH CULTURE AND AQUACULTURE. EXPERIENCE IN NORTH TEMPERATE CLIMATES AND SOME TROPICAL CLIMATES. MANAGEMENT OF FRESHWATER AND MARINE FISHERIES AND AQUATIC RESEARCH.
BEWERS JM : GEOCHEMISTRY OF TRACE-METALS IN THE MARINE ENVIRONMENT. HALOGEN GEOCHEMISTRY. RADIOACTIVITY ANALYSIS. RESEARCH RELATED TO DISPOSAL OF RADIOACTIVE-WASTE IN THE OCEAN INCLUDING ENVIRONMENTAL SURVEILLANCE PROGRAMS.
BIOMAIL OFFICE : FUNDAMENTAL RESEARCH IN ALL FIELDS OF MARINE SCIENCES (PHYSICS, BIOLOGY, CHEMISTRY & GEOLOGY) & FISHERIES. HYDROGRAPHIC SURVEYS; PRODUCTION OF NAVIGATIONAL CHARTS FOR REGIONS FROM GEORGE'S BANK TO THE NORTHWEST PASSAGE IN THE CANADIAN ARCTIC; RESEARCH ON POSITIONING SYSTEMS.
BURGESS LCN : FLOOD HAZARD EVALUATION THROUGH REMOTE-SENSING. ENVIRONMENTAL-PROTECTION. SUBUNIT'S EXPERTISE ALSO INCLUDES OCEANOGRAPHY, WILDLIFE, FISHERY & MARINE BIOLOGY, HYDROLOGY, GEOMORPHOLOGY, MARINE MAMMALS, ENVIRONMENTAL-ENGINEERING.
CLAYTON JW : BIOCHEMICAL GENETICS, POPULATION GENETICS, SYSTEMATICS AND EVOLUTIONARY BIOLOGY OF FISHES AN ARCTIC MARINE MAMMALS.
CRAIGIE JS : PHYSIOLOGY, BIOCHEMISTRY & AQUACULTURE OF ALGAE WITH SPECIAL INTEREST IN CELL WALLS & PHYCOCOLLODS OF MARINE SPECIES.
CRIPPEN RW : MARINE & ESTUARINE BENTHOS, ESPECIALLY POLYCHAETES, THEIR SYSTEMATICS & TAXONOMY, COMMUNITY STRUCTURE & INTERACTION WITH ENVIRONMENTAL CONDITIONS, BOTH NATURAL & MAN INFLUENCED.
DOUBLEDAY WG : POPULATION-DYNAMICS & MANAGEMENT OF MARINE & ANADROMOUS FISH & MARINE MAMMALS.
DUNBAR MJ : ARCTIC & SUBARCTIC MARINE ECOSYSTEMS; CLIMATIC CHANGE & ITS EFFECTS ON MARINE FAUNA & FLORA; BIOLOGICAL & ENVIRONMENTAL CYCLES.
DURVASULA V SUBBARAO : PHYSIOLOGY & ECOLOGY OF PRIMARY PRODUCTION & MARINE PHYTOPLANKTON AIMED AT UNDERSTANDING THE FUNCTIONING OF THE MARINE ENVIRONMENT AND ITS RESPONSE AND RECOVERY TO ECOLOGICAL PERTURBATIONS.
FLETCHER GL : ZINC REGULATION IN MARINE FISH. DETOXIFICATION OF METALS SUCH AS CADMIUM IN FISH.
GARNEAU F : ETUDE DES PROPRIETES PHYSICO-CHIMIQUES ET MISE EN VALEUR DES SUBSTANCES NATURELLES D'ORIGINE MARINE ET LEUR ROLE CHEZ LES ORGANISMES AQUATIQUES.
GORDON DC : MARINE-ECOLOGY, ECOLOGICAL MODELLING, ORGAN CARBON CYCLING. MARINE POLLUTION, ENVIRONMENTAL-IMPACT-ASSESSMENT. ASSESSMENT WITH FOCUS ON ESTUARIES & CONTINENTAL SHELF ENVIRONMENTS.

MARINE

GOYETTE DE : MARINE ENVIRONMENTAL-IMPACT-ASSESSMENT AND POLLUTION-CONTROL; INDUSTRIAL AND MUNICIPAL DISCHARGES, PACIFIC COAST. SPECIFIC STUDIES ON THE PHYSICAL, CHEMICAL AND BIOLOGICAL IMPACTS OF MINE-TAILINGS AND EFFLUENTS FROM PULP-MILLS; TISSUE TRACE-METALS; MONITORING AND REGULATION COMPLIANCE; ENVIRONMENTAL-IMPACT-ASSESSMENT; PORT & HARBOURS; BIOLOGICAL EFFECTS OF ORGANIC CONTAMINANTS AND URBAN WASTES.

GRAHAM R : MARINE CONSERVATION, PARKS & PROTECTED AREAS. VISITOR MANAGEMENT, INTERPRETATION VISITOR SERVICES, PUBLIC SAFETY, EDUCATION IN MARINE AQUATIC PARKS & COASTAL AREAS.

GRAINGER EH : ARCTIC MARINE ZOOPLANKTON DISTRIBUTION AND ECOLOGY. COMPOSITION AND BIOLOGY OF THE ARCTIC SEA ICE FAUNA.

GUEVREMONT R : REFERENCE MATERIALS PREPARATION AND ANALYSIS, TRACE ANALYTICAL METHODS FOR ORGANICS AND METALS IN MARINE SAMPLES. METHODS AND INSTRUMENTATION FOR GFAAS AND ICP EMISSION SPECTROMETRY. MICROPROCESSORS FOR CONTROL OF HARDWARE AND DATA ACQUISITION.

HALL HA : RESPONSIBLE FOR MARINE ENVIRONMENTAL-PROTECTION POLICY DEVELOPMENT AND ENFORCEMENT OF REGULATORY INSTRUMENTS FOR POLLUTION-CONTROL AND OCEAN DUMPING. DIRECT THE PROVISION OF ADVICE CONCERNING ENVIRONMENTAL-IMPACT OF OFFSHORE EXPLORATION, AND ENVIRONMENTAL ADVICE AND RESPONSE TO MARINE EMERGENCIES.

HARDING GCH : LARVAL ECOLOGY OF NORTH-AMERICAN LOBSTER. THE VERTICAL MIGRATION OF ZOOPLANKTON. THE DYNAMICS OF ORGANOCHLORINES IN MARINE ZOOPLANKTON.

HAY GW : ANALYSIS OF ORGANIC CONSTITUENTS OF SOIL & SURFACE & MARINE WATERS WITH EMPHASIS ON CARBONHYDRATES & S- & N- CONTAINING ORGANIC-COMPOUNDS.

HSIAO SIC : PHYSIOLOGICAL ECOLOGY OF ARCTIC MARINE PHYTOPLANKTON, SEA ICE MICROALGAE AND SEAWEED.

INTL MARINE ENVIRONMENTALISTS INC : MARINE ENVIRONMENTAL CONSULTING FIRM WITH EXPERTISE IN ENVIRONMENTAL-IMPACT-ASSESSMENTS, POLLUTION BY PESTICIDES & POLYAROMATIC-HYDROCARBONS, MARINE ECOTOXICOLOGY, ESTUARINE DREDGING & THEIR ENVIRONMENTAL-IMPACT.

KHALIL M : ORGANIC GEOCHEMISTRY OF SURFACE SEDIMENTS. ESTUARINE POLLUTION STUDIES INCLUDING THE CONTAMINATION OF MARINE ORGANISMS BY ORGANOHALOGENATED-COMPOUNDS AND POLYAROMATIC-HYDROCARBONS. TOXICOLOGICAL STUDIES OF INDUSTRIAL POLLUTANTS AND THEIR INTRODUCTION IN THE MARINE FOOD-CHAIN.

LAKSHMINARAYANA JSS : BIOLOGICAL LIMNOLOGY & OCEANOGRAPHY; POLLUTION, WATER-QUALITY, ALGAE, PHYTOPLANKTON, PRODUCTIVITY, TEACHING, SCIENTIFIC RESEARCH & DEVELOPMENT: COASTAL, MARINE & FRESHWATER ENVIRONMENT.

LEBLANC PJ : THE FISH-HABITAT DIVISION PROVIDES THE SCIENTIFIC AND TECHNICAL ASSESSMENT, INVESTIGATION AND RESEARCH REQUIRED FOR THE CONSERVATION, RESTORATION AND DEVELOPMENT OF FRESHWATER AND MARINE FISH-HABITAT RESOURCE BASE OF THE GULF REGION.

LEE K : EVALUATION & DESIGN OF METHODS TO ENHANCE THE BIODEGRADATION OF PETROLEUM IN THE MARINE ENVIRONMENT. EFFECTS OF OIL DISPERSANTS ON MICROORGANISMS (BACTERIA & PHYTOPLANKTON). EFFECTS OF VANADIUM ON PHYTOPLANKTON PHYSIOLOGY & ECOLOGY.

LEVY EM : RESEARCH INTO THE FATE & EFFECTS OF OIL IN & ON MARINE ENVIRONMENT. GEOCHEMICAL STUDIES OF NATURAL SEEPAGE OF OIL & GAS FROM THE SEA BED. MICROBIOLOGICAL & CHEMICAL STUDIES OF OIL DEGRADATION. BACKGROUND LEVELS OF PETROLEUM IN THE MARINE ENVIRONMENT. PAH IN SEDIMENTS.

MACKO SA : NITROGEN GEOCHEMISTRY OF MARINE SEDIMENTS AND PETROLEUM; EARLY DIAGENESIS OF ORGANIC MATTER; RESOLUTION OF FOOD-WEBS & ORIGINS OF STROMATOLITES THROUGH STABLE ISOTOPE ANALYSIS; KINETIC-ISOTOPIC FRACTIONATION OF ORGANIC AND INORGANIC SUBSTRATES.

MANSFIELD AW : BIOLOGY & ECOLOGY OF MARINE MAMMALS EFFECTS OF MAN'S ACTIVITIES, ESPECIALLY HYDRO ELECTRIC & HYDROCARBON DEVELOPMENT, ON THESE SPECIES.

MARGOLIS L : DISEASES AND PARASITES OF FISHES. PARASITES OF MARINE MAMMALS AND INVERTEBRATES. EFFECTS OF ENVIRONMENTAL ALTERATION ON PARASITES AND DISEASES OF AQUATIC ANIMALS. PARASITES AS BIOLOGICAL TAGS FOR FISH POPULATIONS.

MCLEAN DM : ARBOVIRUS FIELD AND LABORATORY INVESTIGATIONS IN ARCTIC CANADA. MICROBIOLOGICAL (VIROLOGICAL) STANDARDS FOR ENVIRONMENTAL WATERS (FRESH AND MARINE).

NETTLESHIP DN : HEAD LONG-TERM RESEARCH PROGRAM ON REPRODUCTIVE AND PELAGIC-ECOLOGY OF SEABIRD POPULATIONS IN NORTH-WEST ATLANTIC, PARTICULARLY ATLANTIC CANADA AND EASTERN CANADIAN ARCTIC. PUBLICATIONS INCLUDE: "ATLAS OF EASTERN CANADIAN SEABIRDS", "ECOLOGICAL SITES IN NORTHERN CANADA", "CONSERVATION OF MARINE BIRDS OF NORTHERN NORTH-AMERICA", AND "THE THICK-BILLED MURRES OF PRINCE-LEOPOLD ISLAND; BREEDING ECOLOGY OF A COLONIAL HIGH ARCTIC SEABIRD."

PELLETIER E : ECOTOXICOLOGIE MARINE; ETUDE DES INTERACTIONS DES POLLUANTS (METAUX, BPC ET HYDROCARBURES) AVEC LES ORGANISMES MARINS DANS L' ECOSYSTEME COTIER ET LES ESTUAIRES.

PERCY JA : ECOLOGY & PHYSIOLOGY OF ARCTIC MARINE INVERTEBRATES; SHORT AND LONG-TERM RESPONSES TO ENVIRONMENTAL STRESSES, PARTICULARLY THOSE ASSOCIATED WITH SEASONAL OSCILLATIONS IN THE ENVIRONMENT. PHYSIOLOGICAL EFFECTS OF PETROLEUM ON ARCTIC MARINE INVERTEBRATES.

PRAKASH A : MARINE POLLUTION, COASTAL ZONE MANAGEMENT, COASTAL AQUACULTURE, SHELLFISH, MARINE PRODUCTIVITY, RED-TIDES, SHELLFISH POISONING, ENVIRONMENTAL-QUALITY, ECOLOGY, ENVIRONMENTAL-IMPACT-ASSESSMENT MARINE PHYTOPLANKTON, TOXICITY, PHYSIOLOGY, DINOFLAGELLATES.

ROBERTSON W : DETECTION AND IDENTIFICATION OF INDICATOR AND PATHOGENIC MICROORGANISMS IN FRESH AND MARINE WATERS. FERMENTATION OF CROP AND WOOD WASTES TO PRODUCE RUMINANT FEEDS. UTILIZATION OF MYCORRHIZAL FUNGI TO INCREASE CROP PRODUCTIVITIES.

ROFF JC : BROAD EXPERTISE IN AQUATIC SCIENCES, MARINE, ESTUARINE, FRESHWATER AND STREAMS, ECOSYSTEMS, ARCTIC CHEMICAL AND BIOLOGICAL OCEANOGRAPHY.

SCOTT JS : GROUNDFISH SURVEYS OF SCOTIAN SHELF. ABUNDANCE, DISTRIBUTION & ECOLOGY OF GROUNDFISH. PARASITES & DISEASES OF MARINE FISH. PARASITE-ECOLOGY.

MARINE

SOUTH GR : MARINE PHYCOLOGY. EXPERIMENTAL ECOLOGY. FLORISTICS. LABORATORY CULTURE. LIFE-HISTORIES OF BENTHIC MARINE MACROALGAE. MARINE BIOGEOGRAPHY OF THE NORTH ATLANTIC OCEAN.
STEWART DB : BIOLOGICAL AND LIMNOLOGICAL INVENTORY OF LAKES IN THE NORTHWEST TERRITORIES; ZOOGEOGRAPHY, ECOLOGY, LIFE-HISTORY, AND PARASITISM OF ARCTIC FRESHWATER ANADROMOUS, AND MARINE FISHES; ZOOPLANKTON, PHYTOPLANKTON, AQUATIC INSECTS, AND WATER-CHEMISTRY OF ARCTIC LAKES; PHOTOGRAPHIC RECORD.
STILES DA : PESTICIDE-RESIDUE ANALYSIS BY FLAME SPECTROSCOPY, ALONG WITH OIL-SPILL DETERMINATIONS. CURRENT STUDIES ARE BEING APPLIED TO MARINE AND TERRESTRIAL ENVIRONMENTS.
STOCKNER JG : RESEARCH ON TROPHO-DYNAMICS OF LAKES AND COASTAL MARINE WATERS OF BRITISH-COLUMBIA, SPECIALIZING IN AUTOTROPHIC PRODUCTION AND NUTRIENT DYNAMICS.
WELLS PG : COORDINATION OF MARINE ENVIRONMENTAL QUALITY ISSUE. IDENTIFICATION OF PRIORITY AREAS FOR MARINE POLLUTION RESEARCH & ASSESSMENT FOR LAND BASED POLLUTANTS. MARINE ECOTOXICOLOGY: PRINCIPLES, PRACTISE & RELATIONSHIP TO MARINE COASTAL MANAGEMENT & POLLUTION-CONTROL. BIOLOGICAL TECHNIQUES FOR EFFECTS MONITORING.
WHITE AW : MARINE PLANKTON ECOLOGY, PHYSIOLOGY, TOXICOLOGY. TOXIC PLANKTON BLOOMS. PARALYTIC SHELLFISH-POISONING. EFFECTS OF TOXIC RED-TIDES ON SHELLFISH AND FINFISH RESOURCES. FATE AND CONSEQUENCES OF MARINE TOXINS IN FOOD-WEBS.
WHITNEY NJ : MARINE FUNGI: TAXONOMY; METABOLIC PRODUCTS FROM INTERFERENCE COMPETITION; FUNGAL ECOLOGY IN THE MARINE-ENVIRONMENT; ANTIBIOTIC-COMPOUNDS FROM MARINE FUNGI; FUNGAL DISEASES OF FISH. FOREST FUNGI: EPIPHYTIC & ENDOPHYTIC FUNGAL METABOLITES TOXIC TO SPRUCE-BUDWORM. PLANT PATHOLOGY: NEEDLE-CASTS OF CONIFERS.
WHYTE JNC : BIOCHEMICAL INVESTIGATIONS ON ENVIRONMENTAL STRESS RELATED TO LIVE HOLDING & STORAGE CONDITIONS FOR SHELLFISH. STUDIES ON CHANGES OF METABOLIC & ENERGY RESERVES IN BIVALVES SUBJECTED TO NATURAL OR ARTIFICIAL FEED (FROM BATCH CULTURED MARINE PHYTOPLANKTON).

MARSH

CAMERON BW : COASTAL GEOLOGY. RESEARCH ON THE ORIGIN AND DEVELOPMENT OF BARRIER ISLANDS AND ASSOCIATED BEACH, DUNEFIELD, MARSH AND SPIT SUB-ENVIRONMENTS.
MCNICHOLL MK : ORNITHOLOGY. ECOLOGICAL & BEHAVIOURAL ASPECTS OF BIRD BIOLOGY. BREEDING BIOLOGY & ECOLOGY OF FORSTER'S-TERNS & OTHER MARSH NESTING SPECIES. SOCIAL ORGANIZATION AND BEHAVIOUR OF BLUE-GROUSE. NESTING STUDIES OF COMMON NIGHTHAWKS.

MARSHES

HALL KJ : ENVIRONMENTAL POLLUTION, SPECIFICALLY TRACE-METAL AND TRACE-ORGANIC CONTAMINANTS. PRODUCTION AND DECOMPOSITION PROCESSES IN MARSHES. LIMNOLOGICAL STUDIES ON NUTRIENT AVAILABILITY AND REGULATION OF PRODUCTION PROCESSES.
ROUSE WR : INTERACTION OF CLIMATE & SEA ICE IN HUDSON & JAMES BAYS. MODELLING CLIMATIC, HYDROLOGIC & VEGETATIONAL RELATIONS IN THE COASTAL SALT MARSHES. PREDICTING THE ENVIRONMENTAL-IMPACT OF RIVER DAMS & DIVERSION & CLIMATIC MODIFICATION IN JAMES-BAY & HUDSON BAY.

MASONRY

WEAVER ME : RESEARCH AND INVESTIGATION OF EFFECTS OF ATMOSPHERIC-POLLUTION ON CULTURAL HERITAGE RESOURCES AND THE BUILT ENVIRONMENT. MASONRY, STONE, BRICK, TERRACOTTA, BRONZES, STATUARY AND ARCHAEOLOGICAL SITES AND THEIR PROTECTION.

MASS-SPECTROMETRY

ABRAMSON D : MYCOTOXINS IN STORED CEREALS & OILSEEDS: DEVELOPMENT MYCOLOGY, METHODS OF ANALYSIS; MYCOTOXIN METABOLISM IN LIVESTOCK; FUNGAL ODOUR ANALYSIS; MASS-SPECTROMETRY OF MYCOTOXINS & RELATED METABOLITES.
CLEMENT RE : IMPROVED ANALYTICAL METHODS FOR THE QUALITATIVE & QUANTITATIVE ANALYSIS OF AIR, WATER, SOIL, BIOTA & INDUSTRIAL EFFLUENTS USING GAS-CHROMATOGRAPHY MASS-SPECTROMETRY. SPECIAL EMPHASIS ON ULTRA-TRACE ANALYSIS OF CHLORINATED DIBENZO-P-DIOXINS & CHLORINATED DIBENZOFURANS.
DAVIDSON WR : MANAGER OF RESEARCH AND DEVELOPMENT INCLUDING METHOD AND APPLICATION DEVELOPMENT ORIENTED TOWARDS THE ENVIRONMENTAL MARKET. AREAS OF CURRENT INTEREST INCLUDE DIOXINS, PESTICIDES, PRIORITY POLLUTANTS AND TOXICS IN AIR: IN ALL CASES, TANDEM MASS-SPECTROMETRY IS USED AS THE ANALYTICAL TOOL.
LANE DA : PHOTODECOMPOSITION OF (PAH) DATA-BASE; POLYCYCLIC-AROMATIC-HYDROCARBONS. DESORPTION OF ORGANICS FROM PARTICULATE MATTER; TRACE AND ULTRA-TRACE ANALYSIS OF GAS AND PARTICULATE PHASE TOXIC-COMPOUNDS; MASS-SPECTROMETRY (MS); TRIPLE QUADRUPOLE MS; ATMOSPHERIC PRESSURE CHEMICAL IONIZATION MS; MOBILE MS.
ZITKO V : DETECTION, IDENTIFICATION, MEASUREMENT, EFFECTS OF CHEMICALS ON AQUATIC-BIOTA. MASS-SPECTROMETRY, ENVIRONMENTAL MODELLING, TOXICOLOGY, ORGANIC-CHEMICALS.

MASS-SPECTROMETRY

MASS-SPECTROSCOPY

GAYNOR JD : PERSISTENCE, DEGRADATION, MOVEMENT & LEACHING OF HERBICIDES. METABOLISM OF HERBICIDES BY PLANTS & ANALYSIS OF HERBICIDE RESIDUES IN CROPS. METHOD DEVELOPMENT FOR HERBICIDE ANALYSIS IN VARIOUS SUBSTRATES. INSTRUMENTAL ANALYSIS USING GAS, LIQUID & THIN LAYER CHROMATOGRAPHY, MASS-SPECTROSCOPY.

SLATER GP : DETERMINATION OF VOLATILE ORGANIC-COMPOUNDS (POLLUTANTS OR NATURALLY OCCURRING) IN WATER. DETERMINATION OF VOLATILE PLANT PRODUCTS. ANALYSIS BY GAS-CHROMATOGRAPHY, MASS-SPECTROSCOPY. AGRICULTURE WASTE-TREATMENT.

MATHEMATICAL-MODELLING

DUNCAN CE : AIR-QUALITY & PRECIPITATION QUALITY MONITORING, ACID-RAIN MATHEMATICAL-MODELLING, METEOROLOGY, CONTROL & PROCESS TECHNOLOGY, HAZARDOUS CONTAMINANTS, STANDARD SETTING & REGULATION, SOURCE ASSESSMENT & MEASUREMENTS, VEHICLE EMISSIONS, SOILS & VEGETATION ASSESSMENT, PLANT PATHOLOGY EMERGENCY RESPONSE.

FARLEY DW : MATHEMATICAL-MODELLING FOR RESOLUTION OF WATER-MANAGEMENT PROBLEMS INCLUDING QUANTITY & QUALITY ASPECTS. PROVISION OF SERVICES IN MODELLING TO ALL FEDERAL & PROVINCIAL WATER BOARDS & COMMITTEES & TO REGIONAL OFFICES. MANAGER ON-LINE BIBLIOGRAPHIC REFERENCE SERVICES TO CANADIAN WATER-RESOURCES COMMUNITY.

LUSIS MA : ACIDIC-DEPOSITION (WET & DRY). TOXICS DEPOSITION (PCBS, PESTICIDES, PAHS, DIOXINS). OXIDANTS. ATMOSPHERIC-CHEMISTRY & DISPERSION. MATHEMATICAL-MODELLING OF LRTAP.

OLDHAM KB : APPLICATION OF ELECTROCHEMICAL METHODS TO CHEMICAL-ANALYSIS, EG. DISSOLVED OXYGEN. METHODOLOGY FOR ACCESSING BATTERY PERFORMANCE. MATHEMATICAL-MODELLING.

MATHEMATICAL-MODELS

HOLDER-FRANKLIN MA : MATHEMATICAL-MODELS FOR THE MEASUREMENT OF POPULATION SHIFTS OF RIVER BACTERIA IN RESPONSE TO ENVIRONMENTAL CHANGE; PRIMARILY MULTIVARIATE STATISTICAL ALGORITHMS.

KRISHNAPPAN BG : RESEARCH INCLUDES RIVER FLOWS & SEDIMENT TRANSPORT. DEVELOPMENT OF MATHEMATICAL-MODELS OF RIVERFLOWS & THE BED & SUSPENDED SEDIMENT MOVEMENTS. STUDY OF MIXING PROCESSES IN RIVERS.

MEASUREMENT

ANLAUF K : MEASUREMENT OF AMBIENT ATMOSPHERIC-POLLUTANTS RELATED TO ACIDIC-PRECIPITATION, OXIDANTS & SMOG. OXIDATION OF SULPHUR-DIOXIDE TO SULPHATE & NITROGEN-DIOXIDE TO NITRIC-ACID; ATMOSPHERIC PARTICULATE MATTER & ITS MEASUREMENT. TRANSPORT OF AIR-POLLUTION & ITS CHEMICAL TRANSFORMATION. OZONE.

ARNOLD LD : MEASUREMENT OF NATURALLY OCCURRING LEVELS OF TRITIUM & RADIOCARBON IN ENVIRONMENTAL SAMPLES. RESEARCH ON METHODS OF SAMPLE PREPARATION; BACKGROUND COMPENSATION & DATA PROCESSING.

BROWN RM : ISOTOPE HYDROLOGY BASED ON VARIATIONS OF ENVIRONMENTAL HYDROGEN, CARBON, OXYGEN, URANIUM ISOTOPES. MEASUREMENT OF ENVIRONMENTAL 3H, 14C. DEVELOPMENT OF SAMPLE PREPARATION TECHNIQUES FOR ACCELERATOR 14C DATING.

ELIAS L : DETECTION OF TRACE-VAPOURS AND GASES IN ATMOSPHERE. MEASUREMENT OF AIRBORNE EXPLOSIVES, NARCOTICS, PESTICIDES AND FLUOROCARBONS BY PRECONCENTRATION GAS-CHROMATOGRAPHY.

FOREMAN JEK : MEASUREMENT (LONG TERM) & STATISTICAL-ANALYSIS OF NOISE FROM HIGH-VOLTAGE TRANSMISSION LINES AND TRANSFORMER STATIONS; PSYCHOACOUSTIC RESPONSE OF PEOPLE TO THIS NOISE BY PLAY-BACK OF TAPES IN LISTENING ROOM.

GNYP AW : STACK, AMBIENT AND IN-PLANT SAMPLING AND CONTINUOUS MONITORING FOR PARTICULATE AND GASEOUS POLLUTANTS: PARTICLE-SIZING: ODOUR MEASUREMENT AND CONTROL: DESIGN OF CONTROL EQUIPMENT FOR GASEOUS PARTICULATE AND ODOUROUS POLLUTANTS: LONG AND SHORT RANGE ATMOSPHERIC TRANSPORT: SOLID-WASTE DISPOSAL.

HOLDER-FRANKLIN MA : MATHEMATICAL-MODELS FOR THE MEASUREMENT OF POPULATION SHIFTS OF RIVER BACTERIA IN RESPONSE TO ENVIRONMENTAL CHANGE; PRIMARILY MULTIVARIATE STATISTICAL ALGORITHMS.

KNIGHT G : AIRBORNE DUST IN MINES. MEASUREMENT PRODUCTION CONTROL, X-RAY DIFFRACTION ASSESSMENT OF QUARTZ IN MINE AIRBORNE DUST. RESPIRABLE DUST SAMPLING IN THE WORK PLACE.

KOCELA RJ : NON-PROFIT CORPORATION AT UNIVERSITY OF WINDSOR CONTRACT RESEARCH: AIR-POLLUTION MEASUREMENT & CONTROL; HYDRAULIC & HYDRODYNAMIC-MODELLING; NOISE & VIBRATION STUDIES & CONTROL; TOXICOLOGY.

KRISHNAPPA G : MEASUREMENT OF SOUND POWER & SOUND INTENSITY OF MACHINERY NOISE SOURCE. RESEARCH IS RELATED TO USING SOUND INTENSITY MEASUREMENTS IN MACHINERY NOISE MEASUREMENTS.

MACPHERSON JI : OPERATE NRC TWIN OTTER ATMOSPHERIC RESEARCH AIRCRAFT IN FOLLOWING TYPES OF EXPERIMENTS: WEATHER MODIFICATION, AIR SAMPLING, TURBULENCE RESEARCH, CO2-FLUX MEASUREMENT, ACID-RAIN RESEARCH.

MEASUREMENT

MCADIE HG : AIR-MONITORING SURVEYS. ANALYTICAL METHODS FOR AIR-POLLUTION MEASUREMENT. ATMOSPHERIC TRANSPORT. INTERNATIONAL STANDARDS.
MIDDLETON J : MEASUREMENT & ANALYSIS OF ECOLOGICAL STRESS & DISTURBANCE IN ECOSYSTEMS AT LARGE SCALES (KILOMETRES) INCLUDING LANDSCAPES DOMINATED BY HUMAN ACTIVITY.
OAKY NS : OCEANOGRAPHY: STUDIES OF TURBULENT MIXING PROCESSES IN THE OCEAN; MEASUREMENT, ANALYSIS & PUBLICATION OF RESULTS ON LEVELS OF MICROSTRUCTURE OF VELOCITY & TEMPERATURE DESIGN OF INSTRUMENTS TO CARRY OUT STUDIES.
REID KW : MANAGEMENT, BEHAVIOUR & ENVIRONMENTAL-IMPACT OF POTASH MINING WASTES. MEASUREMENT & CONTROL OF THE WORK ENVIRONMENT IN POTASH MINING.
SCHIFF H : MEASUREMENT OF ATMOSPHERIC GASES. ATMOSPHERIC-CHEMISTRY. OZONE DEPLETION. ACID-DEPOSITION. PHOTOCHEMICAL OXIDANTS & SMOG. GLOBAL CLIMATE INFLUENCED BY ATMOSPHERIC-CHEMISTRY.
ST PIERRE CC : AIR-POLLUTION CONTROL; WET-SCRUBBERS; SOURCE EMISSION MEASUREMENTS; RISK-ASSESSMENT; INDOOR AIR-POLLUTION MODELLING & MEASUREMENT; QUANTIFICATION OF ODOUR IMPACT LABORATORY ANALYSIS AND DISPERSION MODELLING.
TOROSSIAN H : METHOD DEVELOPMENT FOR MEASUREMENT OF ATMOSPHERIC-POLLUTANTS. SOURCE TESTING FOR STACK GAS & PARTICULATE EMISSIONS. DESIGN AND SELECTION OF EQUIPMENT FOR AIR-POLLUTION ABATEMENT. MANAGEMENT OF PCB WASTES.
TOUGH G : MANUFACTURE, DISTRIBUTION AND SERVICING OF FLOW MEASUREMENT PRODUCTS & SYSTEMS FOR RESOURCE MANAGEMENT OF FLUIDS SUCH AS WATER, PETROLEUM PRODUCTS, CHEMICALS, SLURRIES AND NATURAL-GAS.
UTHE JF : STUDY OF METHODS OF MEASUREMENT OF CHEMICAL CONTAMINANTS IN FISH POPULATIONS AND DETECTION OF TREND IN CONTAMINANT LEVELS OVER TIME. INVESTIGATION OF SITUATIONS WHERE CONTAMINANTS IN FISH PRODUCTS MAY POSE A CONSUMER CONCERN.
VISWANATHAN S : PARTICULATE MEASUREMENT AND CONTROL, ODOUR MEASUREMENT AND CONTROL, TRACE-ELEMENT MEASUREMENT, DISPERSION MODELLING, INDUSTRIAL-HYGIENE MEASUREMENTS, HEATING AND VENTILATION, HAZARDOUS-WASTE AUDITS.
WILLIAMS DA : AIR-POLLUTION MEASUREMENT: AMBIENT AND SOURCE EMISSION MEASUREMENT. COORDINATION OF OPERATIONS OF NATIONAL AIR-POLLUTION-SURVEILLANCE NETWORK.
ZITKO V : DETECTION, IDENTIFICATION, MEASUREMENT, EFFECTS OF CHEMICALS ON AQUATIC-BIOTA. MASS-SPECTROMETRY, ENVIRONMENTAL MODELLING, TOXICOLOGY, ORGANIC-CHEMICALS.

MEASUREMENTS

ADDISON PA : RESEARCH IN ENVIRONMENTAL FORESTRY RELATED PRIMARILY TO THE EFFECTS OF ATMOSPHERIC-POLLUTION ON FOREST ECOSYSTEMS. THIS INCLUDES GROWTH & YIELD STUDIES, BIOMONITORING USING BOTH CRYPTOGAMS & HIGHER PLANTS & SOIL BIOLOGICAL & CHEMICAL RESPONSE MEASUREMENTS.
BARRIE LA : ATMOSPHERIC CYCLE OF TRACE CONSTITUENTS. STUDY OF ACID-RAIN PHENOMENA ON A REGIONAL SCALE & ARCTIC AIR POLLUTION ON AN HEMISPHERIC SCALE. COMPUTER MODEL OF ARCTIC AIR-POLLUTION USED TO INVESTIGATE COMPLEX INTERACTIONS OF TRANSPORT, TRANSFORMATION & REMOVAL. ROUTINE AEROSOL SCIENCE MEASUREMENTS ARE MADE IN THE CANADIAN ARCTIC. RELATIONSHIP BETWEEN AIR & PRECIPITATION TRACE ELEMENTAL COMPOSITION & POLLUTANT ORIGIN UNDER INVESTIGATION.
CHOMYN BA : GEOLOGY AND GEOCHEMISTRY OF DEEP ROCK DISPOSAL OF HIGH LEVEL RADIOACTIVE-WASTE; MAGNETIC SUSCEPTIBILITY, MEASUREMENTS RELATIVE TO ROCK COMPOSITION AT DEPTH. PREDICTION OF THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH URANIUM TAILINGS WITH TIME MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK BEING EXTENDED TO OTHER TYPES OF TAILINGS.
DUNCAN CE : AIR-QUALITY & PRECIPITATION QUALITY MONITORING, ACID-RAIN MATHEMATICAL-MODELLING, METEOROLOGY, CONTROL & PROCESS TECHNOLOGY, HAZARDOUS CONTAMINANTS, STANDARD SETTING & REGULATION, SOURCE ASSESSMENT & MEASUREMENTS, VEHICLE EMISSIONS, SOILS & VEGETATION ASSESSMENT, PLANT PATHOLOGY EMERGENCY RESPONSE.
ENGLISH M : DETERMINATION THROUGH AIRCRAFT MEASUREMENTS OF THE TRANSPORT, DIFFUSION & TRANSFORMATION RATES OF SULPHUR & NITRIC-OXIDES EMITTED FROM OIL-SANDS EXTRACTION PLANTS IN NORTHERN ALBERTA. STUDY OF THE EFFECT OF URBAN AIR-QUALITY ON VISIBILITY.
KRISHNAPPA G : MEASUREMENT OF SOUND POWER & SOUND INTENSITY OF MACHINERY NOISE SOURCE. RESEARCH IS RELATED TO USING SOUND INTENSITY MEASUREMENTS IN MACHINERY NOISE MEASUREMENTS.
PLATFORD RF : LOW LEVEL RADIOACTIVITY MEASUREMENTS OF URANIUM DAUGHTER PRODUCTS & FALLOUT FROM BOMB TESTS.
QUARSHIE E : QUALITY CONTROL & QUALITY ASSURANCE FOR LABORATORY MEASUREMENTS & INDUSTRIAL-EFFLUENTS MONITORING PROGRAMS. HELP INDUSTRIES SET UP QUALITY CONTROL PROGRAMS FOR SAMPLING & ANALYSIS.
SKEY SGP : WEATHER AND SEA STATE FORECASTING (REAL TIME, 24 HRS/DAY/YEAR ROUND). METEOROLOGICAL MONITORING, FIELD STUDIES, NUMERICAL MODELLING, POLLUTION STUDIES, AGRICULTURAL AND WATER-RESOURCE STUDIES. OCEANOGRAPHIC CONSULTING, CURRENT, TIDE AND WAVE MEASUREMENTS AND ANALYSIS FROM SHALLOW WATER TO DEEP OCEAN.
ST PIERRE CC : AIR-POLLUTION CONTROL; WET-SCRUBBERS; SOURCE EMISSION MEASUREMENTS; RISK-ASSESSMENT; INDOOR AIR-POLLUTION MODELLING & MEASUREMENT; QUANTIFICATION OF ODOUR IMPACT LABORATORY ANALYSIS AND DISPERSION MODELLING.

MEASUREMENTS

THOMPKINS RW : DEVELOPED A METHOD TO MEASURE RADIOACTIVE CHARACTERISTICS OF URANIUM FROM CORE OR HAND SIZED SPECIMENS OF URANIUM ORES. FROM THESE MEASUREMENTS SAFE ENVIRONMENTAL LIMITS. COMPARATIVE MINE DESIGNS CAN BE MADE & THE ECONOMICS OF MINING ASSESSED EARLY IN THE MINE PLANNING STAGE.
VISWANATHAN S : PARTICULATE MEASUREMENT AND CONTROL, ODOUR MEASUREMENT AND CONTROL, TRACE-ELEMENT MEASUREMENT, DISPERSION MODELLING, INDUSTRIAL-HYGIENE MEASUREMENTS, HEATING AND VENTILATION, HAZARDOUS-WASTE AUDITS.

MEASURING

FORD JS : DEVELOPING AND DESIGNING MEASURING SYSTEMS FOR ENVIRONMENTAL VARIABLES IN INLAND WATERS; INSTRUMENT DESIGN AND EVALUATION.
HOLDWAY DA : FISH-TOXICOLOGY: CHRONIC & ACUTE EFFECTS OF PESTICIDES (METHOXYCHLOR, PERMETHRIN), HERBICIDES (GLYPHOSATE), & METALS (VANADIUM) ON SURVIVAL, GROWTH & REPRODUCTION OF FLAGFISH & WHITE SUCKERS; EFFECTS ON BRAIN NEUROTRANSMITTERS & BIOENERGETICS. DEVELOPED TECHNIQUE FOR MEASURING DIMETHYL-SULFIDE AT PARTS PER TRILLION LEVELS IN FRESHWATER.
JOSHI SR : DEVELOPMENT OF METHODS FOR MEASURING RADIONUCLIDE IN THE AQUATIC ENVIRONMENT; IMPACT OF RADIONUCLIDES RELEASED FROM NUCLEAR FACILITIES & URANIUM MINING INDUSTRY ON THE AQUATIC ENVIRONMENT; NUCLEAR TECHNIQUES IN WATER-POLLUTION RESEARCH.
MACLOCK B : FLOODPLAIN MANAGEMENT: INCLUDES FLOOD RISK MAPPING & FLOOD DAMAGE ESTIMATES. FLOOD PROOFING & FLOOD WARNING: TO REDUCE FLOOD DAMAGE POTENTIAL. DRAINAGE & WETLAND MANAGEMENT: MULTIDISCIPLINARY METHODS IN THE CONTEXT OF ECONOMIC EFFICIENCY AND ENVIRONMENTAL NEEDS. MEASURING AMOUNTS AND TYPES OF WETLANDS USING SATELLITE, REMOTE-SENSING & COLOUR-INFRARED AERIAL-PHOTOGRAPHY.
SLIWINSKI JF : FIRM SPECIALIZES IN PROVIDING ANALYTICAL SERVICES IN ENVIRONMENTAL CHEMISTRY OF GROUND, SURFACE & WASTEWATER, SOILS, SEDIMENTS, BIOTA & AIR SAMPLES AIR SAMPLES. CONDUCTS RESEARCH INTO IMPROVING MEASURING EQUIPMENT, METHODS, PROTOCOLS AND DATA-MANAGEMENT.

MELANOMA

FEUER GM : MECHANISM OF ACTION OF FOREIGN COMPOUNDS ON THE LIVER CELL AND ITS PHYSIOLOGICAL AND PATHOLOGICAL CONSEQUENCES IN VARIOUS TARGET ORGANS. ROLE OF STEROID HORMONES AND RECEPTOR BINDING IN THE IATROGENIC ACTIONS OF ENVIRONMENTAL CHEMICALS ON THE LIVER, PARTICULARLY IN TUMOUR PRODUCTION (CHEMICAL CARCINOGENESIS). STUDIES ON HUMAN MELANOMA RELATED TO ALTERED PINEAL FUNCTION.

MER

DESNOYERS JE : PROPRIETES THERMODYNAMIQUES DES TENSIOACTIFS ET COTENSIOACTIFS, PROPRIETES DES EMULSIONS, DISPERSION DES HUILES DANS L' EAU DE MER, CARACTERISATION DES DISPERSANTS.
POULIN M : ETUDE TAXONOMIQUE PORTANT SUR LES DIATOMEES (BACILLARIOPHYCEAE) MARINES ET ESTUARIENNES DE L' EST DU CANADA. REVISION TAXONOMIQUE DES DIATOMEES ASSOCIEES AUX GLACE DE MER DE L' ARCTIQUE CANADIEN. ETUDE DU GENRE NAVICULA ET DE SES REPRESENTANTS EN SECTEUR CANADIEN.

MERCURE

BRODEUR J : TOXICOLOGIE INDUSTRIELLE ET ENVIRONNEMENTALE: TOXICITE ET METABOLISME DES SOLVANTS AROMATIQUES ET ALIPHATIQUES-HALOGENES; TOXICITE ET METABOLISM DES METAUX TOXIQUES (PLOMB, CADMIUM, MERCURE).
DELISLE CE : PRECIPITATIONS-ACIDES. METAUX-LOURDS: MERCURE, CADMIUM, ZINC, CUIVRE. ETUDES D' IMPACT-ENVIRONNEMENTAL.

MERCURY

CHIA CJ : MERCURY POLLUTION, WASTE ALKYLATION ACID, WASTE SULPHATE SOLUTION FROM CHLORALKALI PLANT. AMMONIA CONDENSATES & THEIR TREATMENT AND OR RECOVERY.
DABEKA WR : ANALYSIS FOR TRACE-ELEMENTS, TOXIC ELEMENTS; LEAD CADMIUM, ARSENIC, TIN, FLUORIDE, MERCURY; FOOD DIETARY INTAKES; ANALYTICAL WATER. INSTRUMENTAL EXPERTISE: GRAPHITE FURNACE ATOMIC, ABSORPTION SPECTROMETRY.
HECKY RE : PALEOLIMNOLOGY AND LIMNOLOGY OF AFRICAN GREAT LAKES; RESERVOIR LIMNOLOGY; PHYTOPLANKTON AND DIATOM ECOLOGY; AQUATIC PRIMARY PRODUCTIVITY; CYCLING AND BIOACCUMULATION OF MERCURY.
KUCERA E : MAMMALS AS INDICATORS OF ENVIRONMENTAL-QUALITY OR CONTAMINATION. MERCURY IN MINK & OTTER. HEAVY-METALS IN WILD MAMMALS. FLUORIDES IN DEER & SMALL MAMMALS. TRANSLATOR: CZECH, GERMAN, RUSSIAN, SLOVAK INTO ENGLISH; ENGLISH INTO CZECH, GERMAN.
MCKEOWN BA : ENVIRONMENTAL TOXICANTS OF FISH. HEAVY-METALS (ZINC, MERCURY, ALUMINUM), OIL, OIL DISPERSANTS, PESTICIDES, ACID-PRECIPITATION.

MERCURY

SCHROEDER WH : ATMOSPHERIC-CHEMISTRY; PHOTOCHEMISTRY; MERCURY & ITS COMPOUNDS IN THE ENVIRONMENT; HEAVY-METALS & AMBIENT AIR; SAMPLING & ANALYSIS OF TRACE-ELEMENTS; TOXIC-CHEMICALS: ATMOSPHERIC SOURCES, TRANSPORT, TRANSFORMATION, REMOVAL & ENVIRONMENTAL FATE.

MERLIN-FALCO-COLUMBARIUS

JAMES PC : POPULATION ECOLOGY OF THE MERLIN-FALCO-COLUMBARIUS; LONG-TERM STUDY OF ON URBAN POPULATION IN SASKATOON. CHICKS BANDED & ADULTS TRAPPED EACH YEAR. ALLOWS DATA ON AGE STRUCTURE, TURNOVER & MORTALITY RATE ETC.

METABOLICS

STAVRIC B : MUTAGENS (TOXICANTS) IN FOODS: NATURALLY OCCURING OR INTRODUCED THROUGH MAN-MADE AGRICULTURAL CHEMICALS. BIO-ANALYTICAL PROCEDURES IN INTERPHASING STANDARD CHEMICO-ANALYTICAL METHODS WITH BIOASSAYS FOR DETECTING TOXIC (MUTAGENIC) COMPONENTS OF METABOLICS IN COMPLEX MATRICES (FOODS).

METABOLISM

ABRAMSON D : MYCOTOXINS IN STORED CEREALS & OILSEEDS: DEVELOPMENT MYCOLOGY, METHODS OF ANALYSIS; MYCOTOXIN METABOLISM IN LIVESTOCK; FUNGAL ODOUR ANALYSIS; MASS-SPECTROMETRY OF MYCOTOXINS & RELATED METABOLITES.

AKHIAR H : SYNTHESIS, METABOLISM OF PESTICIDES (ORGANOPHOSPHATES, SYNTHETIC PYRETHROIDS) IN POULTRY AND FARM ANIMALS. DEVELOPMENT OF ANALYTICAL TECHNIQUES FOR DETERMINATION OF TRACES OF PESTICIDES AND METABOLITES IN MILK, URINE, FECES, EGGS AND TISSUES.

ARCHIBALD FS : MICROBIAL ACQUISITION AND METABOLISM OF METALS. FERMENTATION, GROWTH, AND OXYGEN SENSITIVITY OF MICROORGANISMS.

BRODEUR J : TOXICOLOGIE INDUSTRIELLE ET ENVIRONNEMENTALE: TOXICITE ET METABOLISME DES SOLVANTS AROMATIQUES ET ALIPHATIQUES-HALOGENES; TOXICITE ET METABOLISM DES METAUX TOXIQUES (PLOMB, CADMIUM, MERCURE).

COTE LM : RESEARCH ON METABOLISM AND MODE OF ACTION OF MYCOTOXINS ESPECIALLY DEOXYNIVALENOL. SIMILAR WORK WITH PYRETHOIDS.

DOWNER RGH : EFFECTS OF INSECTICIDES AND OTHER AGRICULTURAL CHEMICALS ON METABOLISM AND CONCENTRATION OF MONOAMINES IN THE NERVOUS-SYSTEMS OF TARGET AND NON-TARGET ANIMALS; CORRELATIONS BETWEEN MONOAMIN LEVELS AND BEHAVIOUR; INSECTICIDE DEVELOPMENT.

GAYNOR JD : PERSISTENCE, DEGRADATION, MOVEMENT & LEACHING OF HERBICIDES. METABOLISM OF HERBICIDES BY PLANTS & ANALYSIS OF HERBICIDE RESIDUES IN CROPS. METHOD DEVELOPMENT FOR HERBICIDE ANALYSIS IN VARIOUS SUBSTRATES. INSTRUMENTAL ANALYSIS USING GAS, LIQUID & THIN LAYER CHROMATOGRAPHY, MASS-SPECTROSCOPY.

HAYA K : AQUATIC TOXICOLOGY: BIOCHEMICAL INDICATORS OF SUBLETHAL EFFECTS CAUSED BY POLLUTANTS IN AQUATIC ORGANISMS, PARTICULARLY PARAMETERS OF INTERMEDIARY ENERGY METABOLISM.

JONES GA : PHYSIOLOGY AND METABOLISM OF ANAEROBIC MICROORGANISMS IN THE ENVIRONMENT; ROLE OF ANAEROBES IN RUMINANT DIGESTIVE METABOLISM.

LAHAM S : INHALATION TOXICOLOGY (INDUSTRIAL/OCCUPATIONAL/ ENVIRONMENTAL). METABOLISM OF TOXIC AND CARCINOGENIC SUBSTANCES. PRODUCT SAFETY TOXICOLOGY. INDOOR-AIR QUALITY TOXICOLOGY. CHEMICAL CARCINOGENESIS. NEUROTOXICOLOGY.

MARKO AM : BIOLOGICAL EFFECTS OF RADIATION & OTHER TOXIC AGENTS. ENVIRONMENTAL PATHWAYS OF MOVEMENT OF RADIOACTIVITY & TOXIC-CHEMICALS & METABOLISM. METABOLIC MODELLING OF RADIONUCLIDES & CHEMICALS & THEIR DOSIMETRY.

SHAH BG : MACRO MINERALS AND MICRO MINERALS. ANALYSIS OF IN FOODS AND TISSUES. BIOAVAILABILITY, METABOLISM, INTERACTIONS, ROLE IN CHRONIC HUMAN DISEASES.

SZETO SY : TRANSLOCATION, METABOLISM AND DEGRADATION OF PESTICIDES IN SOIL AND IN VEGETABLE AND SMALL FRUIT CROPS; CHEMICAL ASPECTS OF NATURAL ATTRACTANTS OF THESE CROPS TO INSECT PESTS. PUBLICATIONS AVAILABLE.

TRACK BL : ASSESSMENT OF DOSES & HEALTH EFFECTS OF ENVIRONMENTAL RADIATION. FOOD CHAIN TRANSFER OF RADIONUCLIDES. ATMOSPHERIC DISPERSION OF RADIONUCLIDES. HUMAN METABOLISM OF RADIONUCLIDES.

TRENHOLM HL : TOXICOLOGY OF MYCOTOXINS IN ANIMAL FEEDS FOR LIVESTOCK AND POULTRY. METABOLISM OF MYCOTOXINS. DETOXIFICATION OF NATURAL CONTAMINANTS & TOXIC RESIDUES IN ANIMAL PRODUCTS.

METABOLISME

BRODEUR J : TOXICOLOGIE INDUSTRIELLE ET ENVIRONNEMENTALE: TOXICITE ET METABOLISME DES SOLVANTS AROMATIQUES ET ALIPHATIQUES-HALOGENES; TOXICITE ET METABOLISM DES METAUX TOXIQUES (PLOMB, CADMIUM, MERCURE).

PHAN CT : INFLUENCE DE L' ENVIRONNEMENT, SURTOUT GAZEUX (PRODUITS) NATURELS DES PLANTES OU POLLUANTS), SUR LA CROISSANCE, LE DEVELOPPEMENT ET LE METABOLISME DES PLANTES.

METAL

BECKETT PJ : MOSS, LICHEN & MACROFUNGI AS BIOMONITORS OF ECOSYSTEM METAL BURDENS; GEOBOTANICAL-PROSPECTING EFFECTS OF METALS ON TERRESTRIAL-ECOSYSTEMS. RESTORATION OF ACID, METAL STRESSED LAND.

CZUBA M : ENVIRONMENTAL INTERACTIONS OF HEAVY-METALS & TRACE-ELEMENTS AS THEY AFFECT PHYSIOLOGY, BIOCHEMISTRY & CELL ASSOCIATIONS OF PLANTS. STUDIES OF TOXIC EFFECTS TO DETERMINE MECHANISMS OF ACTION, ASSESS PRODUCTS PRODUCED & POSSIBLE ABATEMENT MEASURES. EVALUATE MODERATING EFFECTS OF MICROORGANISMS ON METAL ACTION IN HOST ORGANISM.

DRAKE JJ : SPATIAL AND TEMPORAL VARIATIONS OF METAL PRECIPITATION IN URBAN AREAS VARIABILITY OF HYDROLOGIC RECORDS ENVIRONMENTAL-IMPACT OF NORTHERN MINING KARST HYDROCHEMISTRY.

FISHER KL : INFLUENCE OF LONG-RANGE-AIRBORNE-POLLUTION ON WILDLIFE VIA FOOD-CHAIN. BIOLOGICAL EFFECTS OF LONG-RANGE DEPOSITION OF HEAVY-METALS & THE CONSEQUENCES FOR WILDLIFE OF METAL MOBILIZATION UNDER ACIDIC CONDITIONS. PROGRAM MANAGER OF LRTAP PROGRAM FOR CANADIAN WILDLIFE SERVICE.

FORRESTAL BJ : REDUCTION, REUSE, RECYCLE, RECOVERY, EXCHANGE OF INDUSTRIAL-WASTES. REPORTS ON FOOD AND METAL FINISHING INDUSTRIES. LANDFILL GAS GENERATION. REGULATION COMPLIANCE CONSULTING AND TESTING. ENVIRONMENTAL SURVEYS. ONTARIO WASTE EXCHANGE OPERATION. NOVEL WASTE-TREATMENT USING PEAT.

HAVAS M : EFFECTS OF LOW PH AND METALS (A1, 2N, NI, FE, CA, ETC) ON SURVIVAL, REPRODUCTION, SODIUM REGULATION CHEMICAL-COMPOSITION OF AQUATIC INVERTEBRATES FROM BOTH ARCTIC (SMOKING HILLS, NWT) AND TEMPERATE REGIONS. METAL CONTENT AND LOCALIZATION IN AQUATIC MACROPHYTES. EFFECTS OF ALUMINUM ON SUGAR-MAPLE DIEBACK.

KRAMER JR : GEOCHEMISTRY RESEARCH INCLUDING IMPACT OF ACIDIC-PRECIPITATION; METAL SPECIATION AND BIOLOGICAL TOXICITY; AQUEOUS CHEMISTRY OF SHIELD LAKES.

LANGFORD CH : STUDIES OF SPECIATION OF METAL IONS AND MOBILITY OF PESTICIDES IN NATURAL WATER SYSTEMS WITH SPECIAL REFERENCE TO THE NATURE AND ROLE OF HUMIC-SUBSTANCES. DEVELOPMENT OF KINETIC METHODS OF ANALYSIS.

PHILLIPS SF : VEGETATION & SOIL STUDIES TO DETERMINE DEGREE & EXTENT OF ENVIRONMENTAL-CONTAMINATION & EFFECTS ON TERRESTRIAL-ECOSYSTEMS. DIRECT & INDIRECT EFFECTS OF HEAVY-METALS & SULPHUR-DIOXIDE FROM NON-FERROUS METAL SMELTERS ON BOREAL-FOREST ECOSYSTEMS; MONITOR LRTAPS, WOOD PRESERVATIVE CHEMICALS.

RAO SS : MICROBIOLOGICAL WATER-QUALITY OF GREAT LAKES & ACID-STRESSED LAKES. MICROBIAL BIODEGRADATION. MICROBIAL TOXICITY SCREENING. MICROBIOLOGY OF SEWAGE. INDUSTRIAL-WASTES. MICROBES & ENVIRONMENTAL STRESS. DIAGNOSTIC ENTERIC BACTERIOLOGY. TOXIC METAL, MICROBES ASSOCIATION. ACTIVATED SLUDGE & VITAMIN B12.

SHAWKI SM : SPECIALTY CHEMICALS & CHEMICAL SERVICES FOR WATER CLARIFICATION & POLLUTION-CONTROL FOR MUNICIPALITIES & INDUSTRIES SUCH AS MINING, PULP & PAPER, AUTOMOTIVE, METAL INDUSTRIES & OIL FIELD SERVICES.

THOMPSON JAJ : BIOGEOCHEMISTRY OF HEAVY-METALS RELATED TO INDUSTRIAL SOURCES: MINES, URBAN CENTRES. CHEMISTRY OF METAL BINDING PROTEINS. CHEMISTRY OF THERMAL VENT ORGANISMS.

METALLURGICAL

LAST AJ : SPECIAL PROCESS ENERGY APPLICATIONS AND RESEARCH SUCH AS HIGH POWER ULTRASOUND, MICROWAVE, ULTRAVIOLET AND INFRA-RED LIGHT; EMULSIONS, EMULSIFICATION PROCESSES AND EMULSIFIERS; ALSO LIQUID FLOW PROCESSING; IRON ORE BENEFICIATION AND DIRECT REDUCTION OF IRON ORE; POWDER METALLURGY; COMBUSTION AND FUELS IN METALLURGICAL PROCESSING; GASIFICATION AND LIQUEFACTION OF COALS AND BOTH FERROUS AND NON-FERROUS PYROMETALLURGY.

MAKHIJA R : METHOD DEVELOPMENT IN METALLURGICAL EFFLUENTS, AIR-MONITORING, CHEMICAL AUDIT, IDENTIFICATION OF TOXIC-CHEMICALS AND THEIR ANALYSIS, WASTE-MANAGEMENT STUDIES INCLUDING, SEMINARS, WORKSHOPS; SPILL CONTROL, HAZARDOUS-WASTE METHODS DEVELOPMENT, OCCUPATIONAL-HEALTH AND SAFETY, LANDFILL MONITORING, WATER-QUALITY, SOLID-WASTE SAMPLING AND ANALYSIS.

METALS

ALLY AI : CARDIOVASCULAR PHARMACOLOGY & TOXICOLOGY: EFFECTS OF ORGANIC METALS ON CARDIAC, BLOOD VESSEL & PLATELET FUNCTION, EMPHASIS ON MECHANISMS OF ACTION: EFFECTS OF NATURAL & MAN-MADE ORGANIC-COMPOUNDS ON PERIPHERAL SYMPATHETIC NERVOUS-SYSTEM & ON CICOSANOID & LEUKOTRIENE-BIOSYNTHESIS & FUNCTION. NEUROCHEMICAL CHARACTERIZATION OF EFFECTS ON CENTRAL NERVOUS-SYSTEM WITH FOCUS ON BIOGENIC AMINES.

ARCHIBALD FS : MICROBIAL ACQUISITION AND METABOLISM OF METALS. FERMENTATION, GROWTH, AND OXYGEN SENSITIVITY OF MICROORGANISMS.

BECKETT PJ : MOSS, LICHEN & MACROFUNGI AS BIOMONITORS OF ECOSYSTEM METAL BURDENS; GEOBOTANICAL-PROSPECTING EFFECTS OF METALS ON TERRESTRIAL-ECOSYSTEMS. RESTORATION OF ACID, METAL STRESSED LAND.

BOYLE RW : GEOCHEMISTRY: OF PRECIOUS METALS (AU, AG, PT); OF ARSENIC, ANTIMONY AND BISMUTH AND OF NICKEL AND COBALT IN ROCKS, SOIL AND NATURAL-WATERS.

BROWN DJ : AQUATIC MONITORING TO ASSESS EFFLUENT IMPACT ON PROVINCIAL WATER-QUALITY OBJECTIVES, TO ASSESS IMPACT OF METALS & PESTICIDES IN FISH, TO ASSESS IMPACT OF PESTICIDE & HERBICIDE USE ON AQUATIC-ECOSYSTEMS.

METALS

CROWDER A : UPTAKE OF METALS BY WETLAND PLANTS. IRON PLAQUES ON ROOTS. INVENTORY OF VEGETATION IN EUTROPHIC & OTHER WETLANDS. IMPACT-ASSESSMENT PARTICULARLY OF PARK USAGE. HERBARIUM CURATOR.
FLETCHER GL : ZINC REGULATION IN MARINE FISH. DETOXIFICATION OF METALS SUCH AS CADMIUM IN FISH.
FORESTER AJ : METALS IN AQUATIC-ECOSYSTEMS. IMPACT OF AIR-POLLUTANTS ON HEALTH AND ENVIRONMENT. INCLUDING DEVELOPING-COUNTRIES. ENVIRONMENTAL-IMPACT OF NUCLEAR WARFARE. SCIENCE AND POLICY.
FOSTER AB : STUDY OF TOTAL SUSPENDED PARTICULATE. DEVELOPMENT & UTILIZATION OF NEW FILTER MEDIUM SUCH AS POLYSTRENE & POLYFLUOROHYDROCARBON MATERIALS. TOXIC METALS IN TSP AND SETTLEABLE PARTICULATE.
GUEVREMONT R : REFERENCE MATERIALS PREPARATION AND ANALYSIS. TRACE ANALYTICAL METHODS FOR ORGANICS AND METALS IN MARINE SAMPLES. METHODS AND INSTRUMENTATION FOR GFAAS AND ICP EMISSION SPECTROMETRY. MICROPROCESSORS FOR CONTROL OF HARDWARE AND DATA ACQUISITION.
GUIOT SR : ANAEROBIC-WASTEWATER-TREATMENT. DEVELOPMENT OF ADVANCED REACTOR CONFIGURATIONS. MODELLING (STEADY STATE & DYNAMIC). EFFECT OF HYDRAULIC AND ORGANIC FACTORS ON THE SLUDGE GRANULATION INDUCTION. DETOXIFICATION (HEAVY METALS).
HAVAS M : EFFECTS OF LOW PH AND METALS (A1, 2N, NI, FE, CA, ETC) ON SURVIVAL, REPRODUCTION, SODIUM REGULATION CHEMICAL-COMPOSITION OF AQUATIC INVERTEBRATES FROM BOTH ARCTIC (SMOKING HILLS, NWT) AND TEMPERATE REGIONS. METAL CONTENT AND LOCALIZATION IN AQUATIC MACROPHYTES. EFFECTS OF ALUMINUM ON SUGAR-MAPLE DIEBACK.
HOLDWAY DA : FISH-TOXICOLOGY: CHRONIC & ACUTE EFFECTS OF PESTICIDES (METHOXYCHLOR, PERMETHRIN), HERBICIDES (GLYPHOSATE), & METALS (VANADIUM) ON SURVIVAL, GROWTH & REPRODUCTION OF FLAGFISH & WHITE SUCKERS; EFFECTS ON BRAIN NEUROTRANSMITTERS & BIOENERGETICS. DEVELOPED TECHNIQUE FOR MEASURING DIMETHYL-SULFIDE AT PARTS PER TRILLION LEVELS IN FRESHWATER.
HOWARD TE : INDUSTRIAL-HYGIENE. ENVIRONMENTAL HEALTH STUDIES. AIR-POLLUTION STUDIES: IMPACT OF AIR EMISSIONS, ACID-RAIN, ODOUR CONTROL. MODELLING ATMOSPHERIC DISPERSION OF AIR-POLLUTANTS. WATER STUDIES. UPTAKE OF METALS BY AQUATIC ORGANISMS. BIOASSAYS. WASTEWATER-TREATMENT. REMOTE-SENSING. LANDFILL LEACHATE CONTROL.
INSTITUTE FOR ENVIRONMENTAL STUDIE : ENVIRONMENTAL-MANAGEMENT INCLUDING ENVIRONMENTAL PERCEPTION, GREAT-LAKES ECOSYSTEMS REHABILITATION, CLIMATE IMPACT-ASSESSMENT IMPACT OF THIRD-WORLD URBANIZATION, RISK-ASSESSMENT, IMPACTS OF ACID-RAIN AND METALS ON BIOLOGICAL SYSTEMS, MODELLING PATHWAYS OF TOXIC SUBSTANCES, ENVIRONMENTAL-TOXICOLOGY.
LEE DR : GROUNDWATER CONTAMINANT FLUX TO SURFACE-WATERS, IDENTIFICATION OF GROUNDWATER DISCHARGE ZONES, STUDIES OF RADIONUCLIDE MIGRATION IN POROUS MEDIA TOXICITY OF METALS AND SYNTHETIC ORGANICS TO AQUATIC LIFE.
LO MT : EXPERTISE IN THE TOXICOLOGICAL EVALUATION OF METALS & PAHS.
LOESCHER B : ANALYTICAL-CHEMISTRY OF METALS, PARTICULARLY ANALYSIS OF ACIDIC-PRECIPITATION, AND SURFACE-WATERS.
MACKNIGHT SD : IMPACTS OF DREDGING AND DREDGED MATERIAL DISPOSAL DISPOSAL OF DRILLING MUDS AND FLUIDS; DISPOSAL IN OCEANS; ESTUARINE CHEMISTRY; CHEMICAL OCEANOGRAPHY; BIOAVAILABILITY OF METALS; SEDIMENT WATER INTERACTIONS.
NRIAGU JO : CYCLING OF POLLUTANT METALS IN THE ENVIRONMENT; IMPACTS OF ACID-RAIN ON AQUATIC-ECOSYSTEMS.
PETERSON RH : PHYSIOLOGICAL RESPONSES OF EARLY LIFE STAGES OF FISH TO LOW PH & ASSOCIATED TOXIC METALS; STRESSING INTERFERENCE WITH HATCHING, ION ACCUMULATION & AVOIDANCE. MONITORING OF LATE RESPONSES TO PH CHANGE.
SARKAR B : TRANSPORT, ACCUMULATION AND TOXICITY OF METALS CAUSED BY ENVIRONMENTAL AND OCCUPATIONAL EXPOSURE.
SHAW GG : DETERMINING THE CONCENTRATION OF SULPHUR, METALS & PESTICIDES IN SOIL, AIR, WATER, VEGETATION & ANIMALS & THE EFFECTS OF THOSE CHEMICALS & ELEMENTS ON PLANTS & ANIMALS THROUGH EXPERIMENTS & STATISTICAL-ANALYSIS.
SPRAGUE JB : WATER-POLLUTION BIOLOGY. EFFECTS OF TOXICANTS, ESPECIALLY METALS, ON AQUATIC ORGANISMS.
WONG PTS : ALGAL PHYSIOLOGY & TOXICOLOGY; TRANSFORMATION OF HEAVY METALS IN AQUATIC ENVIRONMENT; EFFECTS OF CHEMICALS IN AQUATIC BIOTA (FISH & PHYTOPLANKTON).

METAUX

ARNAC M : CONTAMINATION D' ORGANISMES MARINS PAR LES METAUX. BIOACCUMULATION DET DISTRIBUTION DANS LES TISSUS ET LES ORGANES. ASSOCIATION AVEC LES PROTEINES SOLUBLES.
BRODEUR J : TOXICOLOGIE INDUSTRIELLE ET ENVIRONNEMENTALE: TOXICITE ET METABOLISME DES SOLVANTS AROMATIQUES ET ALIPHATIQUES-HALOGENES; TOXICITE ET METABOLISM DES METAUX TOXIQUES (PLOMB, CADMIUM, MERCURE).
PELLETIER E : ECOTOXICOLOGIE MARINE; ETUDE DES INTERACTIONS DES POLLUANTS (METAUX, BPC ET HYDROCARBURES) AVEC LES ORGANISMES MARINS DANS L' ECOSYSTEME COTIER ET LES ESTUAIRES.

METAUX-LOURDS

DELISLE CE : PRECIPITATIONS-ACIDES. METAUX-LOURDS: MERCURE, CADMIUM, ZINC, CUIVRE. ETUDES D' IMPACT-ENVIRONNEMENTAL.

METAUX-LOURDS

GAGNON JY : ECOLOGIE VEGETALE. TELEDETECTION. ETUDES D' IMPACT-ENVIRONNEMENTAL. REVEGETATION DE SITES POLLUES. BIOACCUMULATION DE METAUX-LOURDS.

PINEL-ALLOUL B : ECOLOGIE-AQUATIQUE; ZOOPLANCTON; INTERACTIONS TROPHIQUES. PHYTOZOOPLANCTON. ECOTOXICOLOGIE: EFFETS DES METAUX-LOURDS ET DES POLLUANTS ASSOCIE AUX SEDIMENTS SUR LE ZOOPLANCTON. ENVIRONNEMENT: EFFETS DE LA MISE EN EAU DES RESERVOIRS NORDIQUES SUR LE ZOOPLANCTON.

VAN COILLIE R : CHEMINEMENT ET TOXICITE SOUS-LETALE DES METAUX-LOURDS ET DES PESTICIDES DANS L' ENVIRONNEMENT-AQUATIQUE ET TERRESTRE REPERCUSSIONS DES PLUIES-ACIDES SUR LA FAUNE AQUATIQUE ECOTOXICOLOGIE DES DEPOTOIRS. BIOTECHNOLOGIES ENVIRONNEMENTALES.

METAUX-TRACES

LECLERC A : ETUDE DE LA REACTIVITE ENTRE LES METAUX-TRACES ET LA MATIERE ORGANIQUE DES MILIEUX-AQUATIQUES.

TESSIER A : ETUDE DES RELATIONS ENTRE LA SPECIATION DE METAUX-TRACES DANS L' EAU ET LES SEDIMENTS ET LEUR ACCUMULATION DANS LES ORGANISMES BIOLOGIQUES.

METEOROLOGIC

ADAMS BJ : WATER-RESOURCES SYSTEMS ANALYSIS: PLANNING, DESIGN, OPERATION AND MANAGEMENT; WATER-QUALITY MANAGEMENT; REGIONAL WASTEWATER MANAGEMENT; APPLICATIONS OF SYSTEMS ANALYSIS (STATISTICAL, SIMULATION, AND OPTIMIZATION) TECHNIQUES TO ENVIRONMENTAL SYSTEMS; RESERVOIR ANALYSIS; HYDROLOGIC MODELLING; STORMWATER MANAGEMENT; FLOOD CONTROL AND DRAINAGE; IRRIGATION; HYDROLOGIC & METEOROLOGIC DATA-ANALYSIS URBAN WATER SYSTEMS.

METEOROLOGICAL

COLWELL DW : NATIONAL CENTRE OF COMPETENCE CONCERNED WITH APPLICATION OF METEOROLOGICAL KNOWLEDGE AND DATA TO STUDIES DEALING WITH PROBLEMS OF THE FRESH AND SALT WATER ENVIRONMENTS (HYDROLOGY, WATER-RESOURCES, OCEANS, LAKES AND RESERVOIRS).

DAUGHARTY DA : INFLUENCE OF FOREST COVER AND MESO-SCALE TOPOGRAPHIC CHARACTERISTICS ON SNOW COVER; INSTALLATION & MAINTENANCE OF METEOROLOGICAL & HYDROMETRIC INSTRUMENTATION, PROGRAMMING OF DATA LOGGERS. ENERGY BALANCE DETERMINATION IN A FORESTED ENVIRONMENT.

FORMAN RM : AERIAL-PHOTO INTERPRETATION: MILITARY PHOTO INTELLIGENCE; METEOROLOGICAL SATELLITE PHOTO INTERPRETATION: REPRODUCTION AND DISTRIBUTION OF WEATHER SATELLITE IMAGERY: FACSIMILE TRANSMISSION AND RECEPTION EQUIPMENTS: PUBLISHED A GUIDE TO THE INTERPRETATION OF SATELLITE CLOUD PHOTOS.

ISAAC GA : RESEARCH ON CLOUD PHYSICS, CLOUD CHEMISTRY, AEROSOL PHYSICS, ACID-RAIN, MESOSCALE METEOROLOGY, WEATHER RADAR, WEATHER MODIFICATION, CLOUD CLIMATOLOGY & AIRCRAFT METEOROLOGICAL INSTRUMENTATION.

KEFFER JF : RESEARCH IN FLUID MECHANICS, HYDRAULICS & TURBULENCE; NATURAL & INDUSTRIAL SITUATIONS. DISPERSION, DIFFUSION, MIXING, METEOROLOGICAL SITUATIONS WITHIN PLANETARY BOUNDARY LAYER. EXPERIMENTAL (LAB & FIELD STUDIES), NUMERICAL MODELLING, WIND EROSION OF MINE-TAILINGS, COAL PILES ETC.

LAWRENCE GR : RESOURCE EXPLORATION AND PRODUCTION SUPPORT, GROUNDWATER AND WASTE-SITE EVALUATION, WEATHER MODIFICATION AND METEOROLOGICAL SERVICES, REMOTE-SENSING AND BIOPHYSICAL STUDIES. PETROLEUM ENGINEERING, HYDROGEOLOGICAL, ATMOSPHERIC AND BIOPHYSICAL ASSESSMENTS.

LEY BE : AIR-QUALITY MODELLING INCLUDING SMALL SCALE, MESOSCALE & LONG-RANGE TRANSPORT OXIDANT SIMULATION, MESOSCALE METEOROLOGICAL MODELLING FOR APPLICATION IN AIR-POLLUTION STUDIES. LONG-RANGE-TRANSPORT MODELLING EMPLOYING LAGRANGIAN MODELS.

SKEY SGP : WEATHER AND SEA STATE FORECASTING (REAL TIME, 24 HRS/DAY/YEAR ROUND). METEOROLOGICAL MONITORING, FIELD STUDIES, NUMERICAL MODELLING, POLLUTION STUDIES, AGRICULTURAL AND WATER-RESOURCE STUDIES. OCEANOGRAPHIC CONSULTING, CURRENT, TIDE AND WAVE MEASUREMENTS AND ANALYSIS FROM SHALLOW WATER TO DEEP OCEAN.

METEOROLOGIE

EAST C : METEOROLOGIE DE LA POLLUTION DE L' AIR TRANSPORT E DIFFUSION DES POLLUANTS.

METEOROLOGY

DUNCAN CE : AIR-QUALITY & PRECIPITATION QUALITY MONITORING, ACID-RAIN MATHEMATICAL-MODELLING, METEOROLOGY, CONTROL & PROCESS TECHNOLOGY, HAZARDOUS CONTAMINANTS, STANDARD SETTING & REGULATION, SOURCE ASSESSMENT & MEASUREMENTS, VEHICLE EMISSIONS, SOILS & VEGETATION ASSESSMENT, PLANT PATHOLOGY EMERGENCY RESPONSE.

GHENT M : RISK AND HAZARD ASSESSMENT AND MONITORING. ENVIRONMENTAL-ASSESSMENT. METEOROLOGY. DATA-BASE SERVICES. OCCUPATIONAL-HEALTH AND SAFETY. ENGINEERING AND INDUSTRIAL PROCESS. INSTRUMENTATION AND LABORATORY SERVICES.

METEOROLOGY

ISAAC GA : RESEARCH ON CLOUD PHYSICS, CLOUD CHEMISTRY, AEROSOL PHYSICS, ACID-RAIN, MESOSCALE METEOROLOGY, WEATHER RADAR, WEATHER MODIFICATION, CLOUD CLIMATOLOGY & AIRCRAFT METEOROLOGICAL INSTRUMENTATION.
LADOCHY S : SYNOPTIC CLIMATOLOGY, ESPECIALLY SEVERE WEATHER, AIR-POLLUTION METEOROLOGY, AND URBAN-CLIMATOLOGY.
MORRISSEY EG : SATELLITE METEOROLOGY. RESEARCH, APPLICATIONS, READOUT-SYSTEMS, IMAGE-ANALYSIS SYSTEMS; SATELLITE DATA ASSIMILATION.
WALKER JI : AIR-QUALITY; METEOROLOGY; CLIMATOLOGY; ENVIRONMENTAL-IMPACT.

METHANE

KENNEDY KJ : RESEARCH IN CONVERSION OF INDUSTRIAL AND AGRICULTURAL WASTES TO METHANE IN ADVANCED ANAEROBIC REACTOR SYSTEMS.

METHANOGENIC-BACTERIA

PATEL GB : ISOLATION, CHARACTERIZATION & STUDY OF THE PHYSIOLOGY OF OBLIGATE-ANAEROBES INVOLVED IN THE BREAKDOWN OF COMPLEX ORGANIC MATTER PRESENT IN ANAEROBIC ECOSYSTEMS (CELLULOLYTIC, SACCHARDLYTIC, METHANOGENIC-BACTERIA). SEWAGE TREATMENT; PULP & PAPER.

METHANOL

LEE EGH : MUTAGENICITY OF ENVIRONMENTAL-CONTAMINANTS INVESTIGATED USING THE AMES-SALMONELLA-ASSAYS. FISH DISEASE DIAGNOSTIC SERVICES FOR BACTERIAL KIDNEY DISEASE & INFECTIOUS HEMATOPOIETIC-NECROSIS TEST. BIOPOLYMER PRODUCTION FROM METHANOL FERMENTATION.

METHYLATION

CARTY AJ : HEAVY-METAL POLLUTION IN THE ENVIRONMENT. BINDING OF HEAVY-METALS BY LIGANDS OF BIOLOGICAL SIGNIFICANCE. CHELATION-THERAPY FOR HEAVY-METALS. METHYLATION OF LEAD AND TIN IN THE ENVIRONMENT. SELENIUM PROTECTION AGAINST HEAVY-METALS.

MICROALGAE

HSIAO SIC : PHYSIOLOGICAL ECOLOGY OF ARCTIC MARINE PHYTOPLANKTON, SEA ICE MICROALGAE AND SEAWEED.

MICROBACTERIA

MANKIEWICZ E : MICROBACTERIA: DIAGNOSIS OF INFECTIONS, TREATMENT, CLASSIFICATION OF MICROORGANISMS, PHAGETYPING FUNGI: DEEP MYCOTIC INFECTIONS. SEXUALLY-TRANSMITTED DISEASES: ORGANIZATION OF OUT PATIENT CLINICS, MICROBIOLOGICAL DIAGNOSIS, TREATMENT, PREVENTION (TEACHING).

MICROBEAM

FORER A : REARING OF CRANE FLIES IN THE LABORATORY, ULTRAVIOLET MICROBEAM IRRADIATIONS AT CONTROLLED WAVELENGTHS AND DOSES, AND MECHANISMS OF CHROMOSOME MOVEMENT DURING CELL DIVISION.

MICROBIOLOGICAL

HOSTETTER G : MICROBIOLOGICAL RESEARCH ON WINE PRODUCTION PROCESSES. RESEARCH ON COMPUTERIZATION OF FERMENTATION CONTROL. WINE GRAPE VARIETY TRIALS. RESEARCH ON USE OF VARIOUS YEASTS FOR SPECIAL FLAVOUR DEVELOPMENT IN WINE.
KNOWLES R : MICROBIOLOGICAL NITROGEN TRANSFORMATIONS IN THE ENVIRONMENT, INCLUDING N2-FIXATION, NITRIFICATION, DENITRIFICATION OF N OXIDES. AQUATIC AND TERRESTRIAL SYSTEMS.
LEVY EM : RESEARCH INTO THE FATE & EFFECTS OF OIL IN & ON MARINE ENVIRONMENT. GEOCHEMICAL STUDIES OF NATURAL SEEPAGE OF OIL & GAS FROM THE SEA BED. MICROBIOLOGICAL & CHEMICAL STUDIES OF OIL DEGRADATION. BACKGROUND LEVELS OF PETROLEUM IN THE MARINE ENVIRONMENT. PAH IN SEDIMENTS.
MANKIEWICZ E : MICROBACTERIA: DIAGNOSIS OF INFECTIONS, TREATMENT, CLASSIFICATION OF MICROORGANISMS, PHAGETYPING FUNGI: DEEP MYCOTIC INFECTIONS. SEXUALLY-TRANSMITTED DISEASES: ORGANIZATION OF OUT PATIENT CLINICS, MICROBIOLOGICAL DIAGNOSIS, TREATMENT, PREVENTION (TEACHING).

MICROBIOLOGICAL

MCLEAN DM : ARBOVIRUS FIELD AND LABORATORY INVESTIGATIONS IN ARCTIC CANADA. MICROBIOLOGICAL (VIROLOGICAL) STANDARDS FOR ENVIRONMENTAL WATERS (FRESH AND MARINE).
RAO SS : MICROBIOLOGICAL WATER-QUALITY OF GREAT LAKES & ACID-STRESSED LAKES. MICROBIAL BIODEGRADATION. MICROBIAL TOXICITY SCREENING. MICROBIOLOGY OF SEWAGE. INDUSTRIAL-WASTES. MICROBES & ENVIRONMENTAL STRESS. DIAGNOSTIC ENTERIC BACTERIOLOGY. TOXIC METAL, MICROBES ASSOCIATION. ACTIVATED SLUDGE & VITAMIN B12.
WATSON AEP : WATER AND ECOSYSTEM QUALITY, DEVELOPMENT OF OBJECTIVES FOR ECOSYSTEM QUALITY FOR IJC GREAT-LAKES SCIENCE ADVISORY BOARD (SAB) HUMAN HEALTH EFFECTS OF GREAT-LAKES WATER-QUALITY EVALUATION OF HEALTH HAZARDS FROM CHEMICAL AND MICROBIOLOGICAL CONTAMINANTS IN THE GREAT-LAKES AND THE DEVELOPMENT OF THE DESIGN OF EPIDEMIOLOGICAL-STUDIES FOR THE (SAB) AND THE GREAT-LAKES WATER QUALITY BOARD. SAB GREAT-LAKES RESEARCH REVIEW PARTICIPATION.

MICROBIOLOGIQUE

PAYMENT P : QUALITE MICROBIOLOGIQUE DE L' EAU (BACTERIES, VIRUS, PARASITES); EFFETS SUR LA SANTE; NORMES DE QUALITE-DE-L'EAU.
VALERO JR : LUTTE MICROBIOLOGIQUE CONTRE LES INSECTES NUISIBLES. APPLICATION OPERATIONNELLE DE BACILLUS THURINGIENSIS POUR LE CONTROLE DES LEPIDOPTERES UTILISATION DES VIRUS ENTOMOPATHOGENES, EN PARTICULIER LES BACULOVIRUS POUR LA REPRESSION A COURT ET A LONG TERMES DES INSECTES. PATHO-BIOCHIMIE DES INSECTES.

MICROBIOLOGY

CLARK JS : DIRECTOR OF THE LAND RESOURCE RESEARCH CENTRE. HAS RESPONSIBILITY FOR NATIONAL SOIL SURVEY PROGRAMS AND FOR RESEARCH AND DEVELOPMENT IN SOIL PHYSICS, CHEMISTRY, MINERALOGY AND MICROBIOLOGY, AGROMETEOROLOGY AND LAND USE AND EVALUATION.
INNISS WE : MICROBIAL PHYSIOLOGY AND ENVIRONMENTAL MICROBIOLOGY PSYCHROTROPHIC AND PSYCHROPHILIC MICROORGANISMS. EFFECTS OF TEMPERATURE ON MICROORGANISMS. MICROBIAL DEGRADATION. EFFECT OF TOXICANTS ON MICROORGANISMS. SEDIMENT MICROBIOLOGY.
MAHENDRAPPA MK : SOIL-CHEMISTRY AND MICROBIOLOGY AS RELATED TO ACID-RAIN AND NUTRIENT-CYCLING IN FOREST-ECOSYSTEMS. CHEMISTRY OF PRECIPITATION AND ITS INFLUENCE ON THE CHEMICAL AND BIOCHEMICAL PROCESSES ON TREES AND SOIL. IMPROVEMENT OF THE USE OF WATER AND FERTILIZERS IN TREE NURSERIES.
RAO SS : MICROBIOLOGICAL WATER-QUALITY OF GREAT LAKES & ACID-STRESSED LAKES. MICROBIAL BIODEGRADATION. MICROBIAL TOXICITY SCREENING. MICROBIOLOGY OF SEWAGE. INDUSTRIAL-WASTES. MICROBES & ENVIRONMENTAL STRESS. DIAGNOSTIC ENTERIC BACTERIOLOGY. TOXIC METAL, MICROBES ASSOCIATION. ACTIVATED SLUDGE & VITAMIN B12.
REYES AA : SOIL MICROBIOLOGY, ESPECIALLY FUNGI CAUSING ROOT ROTS AND WILTS OF VEGETABLES. MY CONCERN IS TO AVOID THE USE OF CHEMICALS FOR THEIR CONTROL. RESEARCH ALSO ON STORAGE PATHOLOGY OF VEGETABLES, E.G. PREVENTION OF SOFT ROTS BY SUPPLYING STORAGE CHAMBERS WITH DIFFERENT COMBINATIONS OF GASES.
RIDING RT : CHAIRMAN, UNIVERSITY OF NEW-BRUNSWICK, DEPT. OF BIOLOGY: ZOOLOGY, MICROBIOLOGY, BOTANY.
ROBERGE MRR : FOREST SOIL-FERTILITY AND MICROBIOLOGY AND FOREST-MANAGEMENT AND SILVICULTURE.
SHINDLER DB : SCIENTIFIC POLICY ADVICE ON BIOTECHNOLOGY & SAFETY REGULATIONS CONCERNING ENVIRONMENTAL & LARGE-SCALE APPLICATIONS. EXPERTISE IN MICROBIOLOGY, LIMNOLOGY, BIOLOGICAL MONITORING OF TOXIC SUBSTANCES, WATER-QUALITY, LAKE ALGAL-BLOOMS & EUTROPHICATION, AQUATIC ALGAE & MACROPHYTES, BACTERIAL PHYSIOLOGY & BIOCHEMISTRY, ENZYMOLOGY. COORDINATOR OF CANADA'S NATIONAL BIOTECHNOLOGY STRATEGY.

MICROFLORA

ROSLYCKY EB : IMPACT OF HERBICIDES AND OTHER PESTICIDES ON SOIL MICROFLORA IN RELATION TO BASIC SOIL PHYSIOLOGICAL PROCESSES, INCLUDING NITROGEN FIXATION, SOIL FERTILITY, PESTICIDE ACCUMULATION, RESIDUE FORMATION AND EFFECTS OF VARIOUS AMENDMENTS, INCLUDING BIOTIC ON ITS BREAKDOWN.
VISSER SA : EFFECTS OF MANURES, COMPOSTS & HUMIC-SUBSTANCES ON SOIL MICROFLORA, HIGHER PLANTS, SOIL PROPERTIES & ON POLLUTION OF NATURAL WATERS.

MICROMETEOROLOGY

BOSTON NEJ : PHYSICAL OCEANOGRAPHY; AIR & SEA INTERACTION AND TURBULENCE; MICROMETEOROLOGY OIL-SPILL CONTINGENCY-PLANNING; PLANNING AND EXECUTION OF INTERNATIONAL RESEARCH PROGRAMS: TEACHING OF UNDERGRADUATE GRADUATE OCEANOGRAPHY COURSES; DEVELOPMENT OF OCEANOGRAPHY PROGRAMS FOR DEVELOPING-COUNTRIES AND UNIVERSITIES. RESOURCE DATA-BASE DEVELOPMENT. COMPUTERIZED RESOURCE & SENSITIVITY-MAPPING.
HAGE KD : AIR-POLLUTION IN SMALL VALLEYS; URBAN AIR-POLLUTION; DESTRUCTIVE WINDS IN ALBERTA, SASKATCHEWAN; MICROMETEOROLOGY, MESOMETEOROLOGY.

MICROMORPHOLOGY

BUNTING BT : MICROMORPHOLOGY OF SOILS, ESPECIALLY: BOREAL-FOREST HUMUS PROFILE; ARCTIC SOILS; SOLUTE-TRANSFER IN CLAY SOILS AND SOIL ACIDIFICATION.

MICRONUTRIENTS

BATES TE : SOIL-FERTILITY, PLANT NUTRIENT RESPONSE & PREDICTION OF REQUIREMENTS, SOIL TESTING & PLANT ANALYSIS INCLUDING MICRONUTRIENTS & HEAVY-METALS, USE OF SEWAGE SLUDGE ON LAND.

MICROORGANISMS

ARCHIBALD FS : MICROBIAL ACQUISITION AND METABOLISM OF METALS. FERMENTATION, GROWTH, AND OXYGEN SENSITIVITY OF MICROORGANISMS.

CZUBA M : ENVIRONMENTAL INTERACTIONS OF HEAVY-METALS & TRACE-ELEMENTS AS THEY AFFECT PHYSIOLOGY, BIOCHEMISTRY & CELL ASSOCIATIONS OF PLANTS. STUDIES OF TOXIC EFFECTS TO DETERMINE MECHANISMS OF ACTION, ASSESS PRODUCTS PRODUCED & POSSIBLE ABATEMENT MEASURES. EVALUATE MODERATING EFFECTS OF MICROORGANISMS ON METAL ACTION IN HOST ORGANISM.

FORSBERG CW : CELLULOSE & HEMICELLULOSE DIGESTION BY RUMEN BACTERIA; PROTEIN DIGESTION BY RUMEN MICROORGANISMS. ACETONE & BUTANOL PRODUCTION FROM CELLULOSIC & HEMICELLULOSIC MATERIALS BY CLOSTRIDIUM-ACETOBUTYLICUM; GENETIC MANIPULATION OF RUMEN BACTERIA.

INNISS WE : MICROBIAL PHYSIOLOGY AND ENVIRONMENTAL MICROBIOLOGY PSYCHROTROPHIC AND PSYCHROPHILIC MICROORGANISMS. EFFECTS OF TEMPERATURE ON MICROORGANISMS. MICROBIAL DEGRADATION. EFFECT OF TOXICANTS ON MICROORGANISMS. SEDIMENT MICROBIOLOGY.

JONES GA : PHYSIOLOGY AND METABOLISM OF ANAEROBIC MICROORGANISMS IN THE ENVIRONMENT; ROLE OF ANAEROBES IN RUMINANT DIGESTIVE METABOLISM.

KUSHNER DJ : MICROORGANISMS IN EXTREME ENVIRONMENTS. BIODEGRADATION OF CELLULOSE AND OTHER CONSTITUENTS OF WOODS. BIODEGRADATION OF PETROLEUM AND ALKANES. ACTION OF HEAVY-METALS ON MICROORGANISMS AND OF MICROORGANISMS ON HEAVY-METAL.

LEE K : EVALUATION & DESIGN OF METHODS TO ENHANCE THE BIODEGRADATION OF PETROLEUM IN THE MARINE ENVIRONMENT. EFFECTS OF OIL DISPERSANTS ON MICROORGANISMS (BACTERIA & PHYTOPLANKTON). EFFECTS OF VANADIUM ON PHYTOPLANKTON PHYSIOLOGY & ECOLOGY.

MANKIEWICZ E : MICROBACTERIA: DIAGNOSIS OF INFECTIONS, TREATMENT, CLASSIFICATION OF MICROORGANISMS, PHAGETYPING FUNGI: DEEP MYCOTIC INFECTIONS. SEXUALLY-TRANSMITTED DISEASES: ORGANIZATION OF OUT PATIENT CLINICS, MICROBIOLOGICAL DIAGNOSIS, TREATMENT, PREVENTION (TEACHING).

ROBERTSON W : DETECTION AND IDENTIFICATION OF INDICATOR AND PATHOGENIC MICROORGANISMS IN FRESH AND MARINE WATERS. FERMENTATION OF CROP AND WOOD WASTES TO PRODUCE RUMINANT FEEDS. UTILIZATION OF MYCORRHIZAL FUNGI TO INCREASE CROP PRODUCTIVITIES.

SMITH DW : OZONE TREATMENT OF WATER AND WASTEWATER. COLD REGIONS ENVIRONMENTAL-ENGINEERING. SCALE UP OF WATER AND WASTEWATER-TREATMENT PROCESSES. DISINFECTION. MIXING AND MICROORGANISMS IN RIVERS.

TU CM : INTERACTION BETWEEN PESTICIDES AND SOIL MICROORGANISMS. DEVELOPMENT OF FUNGICIDE RESISTANT RHYZOBIAL BACTERIA. FEASIBILITY OF USING ENTOMOPHTHORA-MUSCAL TO CONTROL DIPTEROUS INSECTS.

WEINBERGER P : ECOPHYSIOLOGY AND TOXICOLOGY WITH SPECIAL REFERENCE TO SOILS, SOIL MICROORGANISMS, WATER (FRESH AND ESTUARINE) AQUATIC MICRO AND MACROPHYTES AND SOME TREES INDIGENOUS TO CANADA. FATE TRANSPORT, UPTAKE, EFFECTS ON PHYSIOLOGY AND DEVELOPMENT OF N2-FIXING CYANOBACTERIA, ALGAE, AQUATIC MACROPHYTES AND SOME GYMNOSPERM AND ANGIOSPERM TREE SEEDS.

MICROPROCESSORS

GUEVREMONT R : REFERENCE MATERIALS PREPARATION AND ANALYSIS, TRACE ANALYTICAL METHODS FOR ORGANICS AND METALS IN MARINE SAMPLES. METHODS AND INSTRUMENTATION FOR GFAAS AND ICP EMISSION SPECTROMETRY. MICROPROCESSORS FOR CONTROL OF HARDWARE AND DATA ACQUISITION.

MICROSCOPY

RETNAKARAN A : INSECT PHYSIOLOGY: GROWTH & DEVELOPMENT (INSECT HORMONES & INSECT GROWTH REGULATORS). DEVELOPMENT OF HORMONE ANALOGS, MOULT INHIBITORS & CHITIN SYNTHESIS INHIBITORS AS CONTROL AGENTS FOR FOREST-INSECT PESTS. STUDY OF CHITIN SYNTHESIS & BIOCHEMISTRY OF THE SYNTAETIC STEPS. ELECTRON MICROSCOPY, AUTORADIOGRAPHY & CELLULAR LOCALIZATION OF THE CHITIN SYNTHESIS PROCESS.

MICROTIDAL

MICROTIDAL

AKSU A E : PALEOCLIMATIC AND OCEANOGRAPHIC EVOLUTION OF THE LABRADOR-SEA AND BAFFIN-BAY DURING THE LAST 25 MA ODP (LEG 105) ARCTIC OCEAN CHRONOSTRATIGRAPHY. SEISMIC STRATIGRAPHY OF SMALL DELTAS IN MICROTIDAL SETTING (AEGEAN-SEA). SEDIMENTOLOGY AND GEOCHEMISTRY OF SALINE AND BITTER LAKES IN ANATOLIA. AMINO-ACID EPIMERIZATION IN FORAMINIFERA. SEDIMENTOLOGY AND SEISMIC STRATIGRAPHY OF FIORDS AND BAYS AROUND NEWFOUNDLAND. SEDIMENTOLOGY OF SHELF BASINS, SLOPE AND RISE TRANSITION.

MICROWAVE

LAST AJ : SPECIAL PROCESS ENERGY APPLICATIONS AND RESEARCH SUCH AS HIGH POWER ULTRASOUND, MICROWAVE, ULTRAVIOLET AND INFRA-RED LIGHT; EMULSIONS, EMULSIFICATION PROCESSES AND EMULSIFIERS; ALSO LIQUID FLOW PROCESSING; IRON ORE BENEFICIATION AND DIRECT REDUCTION OF IRON ORE; POWDER METALLURGY; COMBUSTION AND FUELS IN METALLURGICAL PROCESSING; GASIFICATION AND LIQUEFACTION OF COALS AND BOTH FERROUS AND NON-FERROUS PYROMETALLURGY.

WAN JKS : DISPOSAL OF CHEMICAL WASTE BY NOVEL MICROWAVE INDUCED CATALYTIC TECHNIQUES; DESTRUCTION OF PCBS. SOME OF OUR WORK HAS BEEN PUBLISHED IN OPEN AND PATENT LITERATURE. CURRENT RESEARCH USING THE MICROWAVE INDUCED CATALYTIC TECHNIQUES INCLUDES THE REMOVAL OF SULPHUR GASES IN INDUSTRIAL ENVIRONMENT.

MIGRATION

CHOMYN BA : GEOLOGY AND GEOCHEMISTRY OF DEEP ROCK DISPOSAL OF HIGH LEVEL RADIOACTIVE-WASTE; MAGNETIC SUSCEPTIBILITY, MEASUREMENTS RELATIVE TO ROCK COMPOSITION AT DEPTH. PREDICTION OF THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH URANIUM TAILINGS WITH TIME MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK BEING EXTENDED TO OTHER TYPES OF TAILINGS.

FRENETTE M : EROSION DES SOLS; TRANSPORT SOLIDE; SEDIMENTATION DANS LES LACS, RESERVOIRS & ESTUAIRES; STABILITE & MORPHOLOGIE DES COURS D'EAU. CONTAMINATION DES EAUX-SOUTERRAINES, MIGRATION DES POLLUANTS EN MILIEU PARTIELLEMENT SATURE.

HARA TJ : PHYSIOLOGICAL, BIOCHEMICAL, MORPHOLOGICAL & BEHAVIORAL STUDIES ON CHEMORECEPTION IN FISH; ITS ROLE IN MIGRATION & REPRODUCTION; ITS APPLICATION TO FISHING & AQUACULTURE; & ITS INTERACTIONS WITH TOXIC CHEMICALS & ACID-PRECIPITATION.

HARDING GCH : LARVAL ECOLOGY OF NORTH-AMERICAN LOBSTER. THE VERTICAL MIGRATION OF ZOOPLANKTON. THE DYNAMICS OF ORGANOCHLORINES IN MARINE ZOOPLANKTON.

LEE DR : GROUNDWATER CONTAMINANT FLUX TO SURFACE-WATERS, IDENTIFICATION OF GROUNDWATER DISCHARGE ZONES, STUDIES OF RADIONUCLIDE MIGRATION IN POROUS MEDIA TOXICITY OF METALS AND SYNTHETIC ORGANICS TO AQUATIC LIFE.

MOHTADI MF : CHEMICAL TRANSFORMATIONS AND DISPERSION OF SULPHUR-DIOXIDE IN THE ATMOSPHERE. DISPERSION AND MIGRATION OF SPILLED CRUDE OIL WITHIN SOIL AND POTENTIAL ENVIRONMENTAL HAZARDS OF OIL-SPILLS ON LAND.

QUIGLEY RM : MIGRATION OF SOLUBLE SALTS THROUGH CLAY BARRIERS BY DIFFUSION FIELD STUDIES. CLAY MINERALOGY AND SOIL-CHEMISTRY APPLIED TO ENGINEERING PROBLEMS OF SOIL AND ROCK; GEOTECHNICAL ENGINEERING.

RITCEY GM : PROCESS OF URANIUM AND BASE-METAL ORES WHERE THE ENVIRONMENTAL CONSIDERATIONS OF TAILINGS EFFLUENTS WERE CONSIDERED. RECENTLY DEVOTED TO URANIUM AND SULPHIDE TAILINGS, TO PREDICT THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH THE TAILINGS WITH TIME. MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK WILL BE EXTENDED TO MATERIALS TO INHIBIT OXIDATION.

ROWE RK : MODELLING CONTAMINANT MIGRATION THROUGH SOILS WITH PARTICULAR EMPHASIS ON CLAY LINERS. DEVELOPMENT OF TECHNIQUES FOR DETERMINATION OF APPROPRIATE SOIL LEACHATE PARAMETERS.

SHEPPARD MI : SOIL MIGRATION & PLANT UPTAKE OF CHEMICAL & RADIOACTIVE-WASTES. COMPUTER MODELLING TO PREDICT SOIL RESIDENCE TIMES & LEACH RATES. PHYSICAL, CHEMICAL, THERMAL & RADIOLOGICAL CHARACTERIZATION OF SOILS.

YONG RN : RESEARCH INVOLVES ENVIRONMENTAL-AUDITING PERTAINING TO HAZARDOUS-WASTE DISPOSAL AND MANAGEMENT. RESEARCH THEMES ADDRESSED INCLUDE CONTAMINANT MIGRATION MODELLING IN SOILS, SOIL DECONTAMINATION, TOXICITY ASSESSMENT, CONTAMINANT BIODEGRADATION, LAND FARMING, REMEDIAL MEASURES, SOIL BIOTECHNOLOGY.

MIGRATORY-BIRDS

REED A : RESEARCH ON ECOLOGY OF MIGRATORY-BIRDS AND THEIR HABITATS, PRINCIPALLY WATERFOWL AND OTHER AQUATIC SPECIES.

MILDEWS

PARMELEE JA : TAXONOMIC RESEARCH IN PARASITIC FUNGI (RUSTS, SMUTS AND MILDEWS) OF VASCULAR PLANTS. STUDIES INCLUDE REVIEWS ON GEOGRAPHIC DISTRIBUTION AND LIFE-HISTORIES. RELATED WORK INVOLVES CREATION OF THE NATIONAL MYCOLOGICAL HERBARIUM A COLLECTION OF 250,000 DRIED FUNGUS SPECIMENS OF IMPORTANCE TO AGRICULTURE AND FORESTRY.

MILDEWS

MILFOIL

AIKEN SG : AQUATIC PLANTS IN CANADA (WILD-RICE, ZIZANIA & WATER MILFOIL, MYRIOPHYLLUM) GRASSES, ESPECIALLY FESTUCA, IN NORTH AMERICA. COMPUTER GENERATION OF TAXONOMIC KEYS & DESCRIPTIONS IN FRENCH & ENGLISH. BEGINNING WORK ON THE FLORA OF THE CANADIAN HIGH ARCTIC ISLANDS.

MILIEUX-AQUATIQUES

LECLERC A : ETUDE DE LA REACTIVITE ENTRE LES METAUX-TRACES ET LA MATIERE ORGANIQUE DES MILIEUX-AQUATIQUES.

MILIEUX-HUMIDES

MELANCON M : MONITORING DE L' UTILIZATION DES RESSOURCES AGRICOLES, FORESTIERES ET DE MILIEUX-HUMIDES.

MILK

AKHIAR H : SYNTHESIS, METABOLISM OF PESTICIDES (ORGANOPHOSPHATES, SYNTHETIC PYRETHROIDS) IN POULTRY AND FARM ANIMALS. DEVELOPMENT OF ANALYTICAL TECHNIQUES FOR DETERMINATION OF TRACES OF PESTICIDES AND METABOLITES IN MILK, URINE, FECES, EGGS AND TISSUES.

KURYS JG : TOXICOLOGICAL EVALUATION OF VOLATILE CHEMICALS IN AMBIENT AIR FOR EFFECTS USING HUMAN FAT & MILK; BOVINE-FAT & MILK; PORCINE-FAT & AVIAN SPECIES FOR RESIDUE ANALYSIS; RAW MILK; RAW & TREATED WATER; SOIL & VEGETABLES. SECOND PART OF RESEARCH CARRIED OUT ON METABOLIC PROCESSES AND THEIR MODE OF ACTION.

MES J : RESEARCH AND MONITORING OF HALOGENATED HYDROCARBON RESIDUES IN VARIOUS HUMAN AND MONKEY-TISSUES AND FLUIDS, INCLUDING MOTHER'S MILK.

MILL-TAILINGS

NICHOLSON RV : GEOCHEMICAL MODELLING & GROUNDWATER CONTAMINATION. RESEARCH INCLUDES SULPHIDE MINERAL OXIDATION & ACID GENERATION, CHEMICAL EVOLUTION OF URANIUM MILL-TAILINGS, MODELLING ACID GENERATION, OXYGEN TRANSPORT IN SUBSURFACE (TAILINGS) & EQUILIBRIUM & KINETIC MODELLING OF GEOCHEMICAL PROCESS.

MINE-TAILINGS

GOYETTE DE : MARINE ENVIRONMENTAL-IMPACT-ASSESSMENT AND POLLUTION-CONTROL; INDUSTRIAL AND MUNICIPAL DISCHARGES, PACIFIC COAST. SPECIFIC STUDIES ON THE PHYSICAL, CHEMICAL AND BIOLOGICAL IMPACTS OF MINE-TAILINGS AND EFFLUENTS FROM PULP-MILLS; TISSUE TRACE-METALS; MONITORING AND REGULATION COMPLIANCE; ENVIRONMENTAL-IMPACT-ASSESSMENT; PORT & HARBOURS; BIOLOGICAL EFFECTS OF ORGANIC CONTAMINANTS AND URBAN WASTES.

KEFFER JF : RESEARCH IN FLUID MECHANICS, HYDRAULICS & TURBULENCE; NATURAL & INDUSTRIAL SITUATIONS. DISPERSION, DIFFUSION, MIXING, METEOROLOGICAL SITUATIONS WITHIN PLANETARY BOUNDARY LAYER. EXPERIMENTAL (LAB & FIELD STUDIES), NUMERICAL MODELLING, WIND EROSION OF MINE-TAILINGS, COAL PILES ETC.

NEILSON JM : MINERAL EXPLORATION. MINE DEVELOPMENT. MINE-TAILINGS DISPOSAL. SOLID & LIQUID-WASTE DISPOSAL. REGENERATION OF MINED AREAS. REVEGETATION: TEMPERATE & TROPICAL. SURFACE & SUBSURFACE POLLUTION. ACID-RAIN RESEARCH (CANADA & NORWAY). WELL DRILLING: SUBSURFACE WATER-SUPPLY.

VANLOON GW DR : EFFECTS OF INDUSTRIAL ACTIVITIES ON THE SOIL INCLUDING STUDIES ON ACID-RAIN, MINE-TAILINGS, SEWAGE SLUDGE. SOIL CHEMICAL PROCESSES. ENVIRONMENTAL TRACE-ELEMENT ANALYSIS.

WARMAN PR : SOIL-FERTILITY & CONSERVATION THROUGH ORGANIC AMENDMENTS (ANIMAL & GREEN MANURES, COMPOSTS, SEWAGE SLUDGE); MINE-TAILINGS & LAND RECLAMATION; SOIL & PLANT RELATIONSHIPS IN CONSERVATION & RECLAMATION.

MINERAL

GALE JE : GROUNDWATER FLOW SYSTEMS IN FRACTURED AND FRACTURED POROUS MEDIA BASED ON FIELD AND NUMERICAL MODELLING STUDIES. PROJECTS INCLUDE (A) DEWATERING IN FRACTURED ROCK MASSES; (B) HYDROGEOLOGY OF FRACTURED ROCKS AS APPLIED TO MINERAL EXPLORATION AND TOXIC-WASTE DISPOSAL; (C) MEASURED VERSUS COMPUTED FRACTURE POROSITY, AND (D) CHARACTERIZING THE GEOMETRY AND MECHANICAL PROPERTIES OF FRACTURE SYSTEMS.

MINERAL

MCCREADY RGL : APPLICATION OF BIOTECHNOLOGY TO MINERAL RECOVERY AND ENVIRONMENTAL-PROTECTION IN RELATION TO MINING ACTIVITIES.

MOON KS : SURFACE CHEMISTRY IN WASTEWATER CLEANING, DESULPHURIZATION OF COAL, MINERAL PROCESSING, FLOCCULATION, FILTRATION, DEWATERING, SETTLING AND DRYING; CRYSTAL CHEMISTRY IN SURFACTANT ADSORPTION AND DESORPTION; AND VARIOUS SOLUTION CHEMISTRY OF ORGANICS AND INORGANIC MATERIALS.

NEILSON JM : MINERAL EXPLORATION. MINE DEVELOPMENT. MINE-TAILINGS DISPOSAL. SOLID & LIQUID-WASTE DISPOSAL. REGENERATION OF MINED AREAS. REVEGETATION: TEMPERATE & TROPICAL. SURFACE & SUBSURFACE POLLUTION. ACID-RAIN RESEARCH (CANADA & NORWAY). WELL DRILLING: SUBSURFACE WATER-SUPPLY.

NICHOLSON RV : GEOCHEMICAL MODELLING & GROUNDWATER CONTAMINATION. RESEARCH INCLUDES SULPHIDE MINERAL OXIDATION & ACID GENERATION, CHEMICAL EVOLUTION OF URANIUM MILL-TAILINGS, MODELLING ACID GENERATION, OXYGEN TRANSPORT IN SUBSURFACE (TAILINGS) & EQUILIBRIUM & KINETIC MODELLING OF GEOCHEMICAL PROCESS.

RENNIE PJ : PRODUCTIVITY OF TERRESTRIAL-ECOSYSTEMS, ESPECIALLY NORTHERN BOREAL-FOREST ENVIRONMENTS IN RELATION TO SOIL NUTRITIONAL-STATUS, CLIMATIC CHARACTERISTICS AND PERTURBATION-EFFECTS. PARTICULAR INTERESTS INCLUDE MINERAL CYCLING, FOREST FERTILIZATION AND AIRBORNE POLLUTANT EFFECTS ON SOILS AND VEGETATION.

SANDILANDS RW : FIELD SURVEYS: OPERATIONS IN BRITISH-COLUMBIA COAST, WESTERN ARCTIC. MARITIME HISTORY: BRITISH-COLUMBIA, WESTERN ARCTIC & GREAT-LAKES. TOPONOMY IN COASTAL BRITISH-COLUMBIA. NATURAL-RESOURCE CHARTING; SURVEY POSITIONING; OFFSHORE MINERAL RESOURCE DEVELOPMENT.

SIROIS LL : ALL ASPECTS RELATED TO MINERAL INDUSTRY PROCESS EFFLUENTS: SLIDS (TAILINGS), LIQUIDS (EG. CYANIDE SOLUTIONS) & GASES (EG. AIRBORNE ARSENICAL FUMES). UNDERSTANDING THE PHENOMENA & DEVELOPING SYSTEMS TO REDUCE ENVIRONMENTAL-IMPACT.

WARREN HV : TRACE-ELEMENTS IN VEGETATION, SOILS, AND THEIR RELATION TO CONTAMINATION OF THE ENVIRONMENT, EPIDEMIOLOGY, AND MINERAL EXPLORATION.

MINERALES

PAGEAU Y : ECONOMIE DES RESSOURCES MINERALES NON-RENOUVELABLE DONT LES RESSOURCES ENERGETIQUES (CHARBON, PETROLE, GAS ET URANIUM). ENERGIE VERSUS ENVIRONNEMENT (TOUTE ECONOMIE D'ENERGIE SE SOLDE EN AMELIORATION DE L' ENVIRONNEMENT.) PREOCCUPATION CONCERNANT L' ENERGIE NUCLEAIRE.

MINERALIZATION

KNETTIG E : ANAEROBIC BIODEGRADATION OF CHLOROPHENOLS. DECHLORINATION OF DIFFERENT ISOMERS & POSSIBLE MINERALIZATION. ACTIVATED CARBON ADSORPTION OF ORGANICS FOR TREATING WASTEWATER EFFLUENTS & DRINKING-WATER.

MINERALOGICAL

DE KIMPLE CR : CHARACTERIZATION OF PHYSICAL, CHEMICAL & MINERALOGICAL PROPERTIES OF SOILS IN RELATION TO POTENTIAL FERTILITY & CROP PRODUCTION. FIELD WORK WITH ORGANIC AMENDMENTS TO TEST METHODS OF SOIL CONSERVATION & IMPROVEMENT.

MINERALOGY

BAWEJA AS : WATER-QUALITY GUIDELINES & CRITERIA; RADIOACTIVITY IN WATER; DISPOSAL OF RADIOACTIVE-WASTES, ESPECIALLY URANIUM TAILINGS & REACTOR SPENT FUEL; SOIL-CHEMISTRY & MINERALOGY; TROPICAL SOILS MANAGEMENT.

CLARK JS : DIRECTOR OF THE LAND RESOURCE RESEARCH CENTRE. HAS RESPONSIBILITY FOR NATIONAL SOIL SURVEY PROGRAMS AND FOR RESEARCH AND DEVELOPMENT IN SOIL PHYSICS, CHEMISTRY, MINERALOGY AND MICROBIOLOGY, AGROMETEOROLOGY AND LAND USE AND EVALUATION.

DUDAS MJ : BIOGEOCHEMISTRY OF TRACE-ELEMENTS, HEAVY-METALS, RADIOISOTOPES IN SOILS, PLANTS & TERRESTRIAL SYSTEMS; CLAY MINERALOGY; RESEARCH ON FLY-ASH LEACHATES, TOXIC INORGANICS IN THE ENVIRONMENT & CYCLING OF NOXIOUS HEAVY-METALS.

QUIGLEY RM : MIGRATION OF SOLUBLE SALTS THROUGH CLAY BARRIERS BY DIFFUSION FIELD STUDIES. CLAY MINERALOGY AND SOIL-CHEMISTRY APPLIED TO ENGINEERING PROBLEMS OF SOIL AND ROCK; GEOTECHNICAL ENGINEERING.

MINERALS

REYNOLDS PJ : PLANNING, COORDINATING AND CONDUCTING A PROGRAM OF LARGELY DIVERSE STUDIES RELATED TO WATER-RESOURCES POLICY STRATEGIES AND MANAGEMENT INTERFACES WITH FOOD, FIBRE, ENERGY AND MINERALS DEVELOPMENT OF WATER-USE ANALYSIS MODELS. CONDUCTING NATIONAL WATER-USE SURVEYS. EVALUATION OF THE VALUE OF WATER-RESOURCES SYSTEMS.

MINERALS

SHAH BG : MACRO MINERALS AND MICRO MINERALS. ANALYSIS OF IN FOODS AND TISSUES. BIOAVAILABILITY. METABOLISM. INTERACTIONS. ROLE IN CHRONIC HUMAN DISEASES.
STEVENSON LS : MANGANESE NODULES ON OCEAN FLOOR; FLUORIDE CONTENT IN TOOTH MINERALS.

MINES

BOSSERT JA : EXPLOSIVE ATMOSPHERES CONSISTING OF GASES, VAPOUR AND DUSTS IN AIR; FIRE RESISTANCE OF MATERIALS USED IN CONFINED LOCATIONS (UNDERGROUND MINES). TOXIC EFFECTS OF DIESEL EXHAUST IN CONFINED LOCATIONS & DIESEL EXHAUST TREATMENT DEVICES.
KNIGHT G : AIRBORNE DUST IN MINES. MEASUREMENT PRODUCTION CONTROL. X-RAY DIFFRACTION ASSESSMENT OF QUARTZ IN MINE AIRBORNE DUST. RESPIRABLE DUST SAMPLING IN THE WORK PLACE.
ROBERTSON JA : POLICY ADVISOR TO MINISTRY OF NORTHERN DEVELOPMENT AND MINES ON MATTERS RELATING TO URANIUM. EXPLORATION, MINING RESERVES/RESOURCES. TAILINGS AND WASTE-DISPOSAL. GEOLOGY OF URANIUM DEPOSITS.
THOMPSON JAJ : BIOGEOCHEMISTRY OF HEAVY-METALS RELATED TO INDUSTRIAL SOURCES: MINES, URBAN CENTRES. CHEMISTRY OF METAL BINDING PROTEINS. CHEMISTRY OF THERMAL VENT ORGANISMS.

MINING

ABOUGUENDIA Z : REVEGETATION STUDIES OF LAND DISTURBED BY MINING ACTIVITIES (E.G. URANIUM TAILINGS. COAL SPOILS). ECOLOGICAL BASELINE STUDIES AND ENVIRONMENTAL-IMPACT-ASSESSMENT. RANGE ECOLOGY & PRODUCTIVITY. RESPONSE OF PLANTS TO AIRBORNE POLLUTANTS.
ASHBROOK AW : CORPORATE ENVIRONMENT AFFAIRS. ENVIRONMENTAL AND WASTE-MANAGEMENT POLICY, STRATEGY AND ANALYSIS IN URANIUM MINING, MILLING AND REFINING. DECOMMISSIONING AND CLOSE-OUT OF MINE/MILL FACILITIES; DECOMMISSIONING AND RECLAMATION OF LOW-LEVEL RADIOACTIVE-WASTE MANAGEMENT SITES. WASTE UTILIZATION AND DISPOSAL. R&D STUDIES.
BANAS WP : AQUATIC TOXICOLOGY & CHEMICAL FATE INVESTIGATIONS. TOXICITY TESTING OF INDUSTRIAL EFFLUENTS (PULP & PAPER, MINING, STEEL MANUFACTURING). DEVELOPMENT OF A WATER-QUALITY AQUATIC ENVIRONMENT. TOXICITY OBJECTIVE REGARDING ALUMINUM IN THE EVALUATIONS OF PESTICIDES (ORGANOCHLORINE & ORGANOPHOSPHATE) & HEAVY-METALS USING RAINBOW-TROUT IN FLOW THROUGH & STATIC BIOASSAYS.
DAINTY ED : DEVELOPMENT OF DIESEL EMISSION REDUCTION DEVICES FOR USE ON UNDERGROUND MINING VEHICLES (SUCH AS FILTERS AND SCRUBBERS), PROMOTION OF RATIONAL DIESEL EMISSIONS TOXICITY CRITERION FOR UNDERGROUND VENTILATION PRESCRIPTION, AND PROMOTION OF THIS CRITERION (AIR-QUALITY INDEX; AQI) FOR RATIONAL SELECTION OF ENGINES AND REDUCTION DEVICES FOR USE UNDERGROUND AND IN OTHER CONFINED ENVIRONMENTS WHERE DIESEL ENGINES ARE EMPLOYED. AMBIENT MONITORING OF DIESEL POLLUTANTS.
DE'ATH CE : KOREA: RESEARCH ON POPULATION, AIR & WATER-QUALITY, NUCLEAR-WASTE, AGRICULTURE & INDUSTRIAL POLLUTION WILDLIFE. PAPUA-NEW-GUINEA: MANUS-ISLAND & FORESTRY DEVELOPMENT IMPACTS. CANADA: SOCIAL & ENVIRONMENTAL-ASSESSMENT (LAKE EUGENIA, NWT), ENERGY EDUCATION IN ONTARIO, MINING IN WINDIGO TRIBAL AREA OF NORTHERN ONTARIO.
DRAKE JJ : SPATIAL AND TEMPORAL VARIATIONS OF METAL PRECIPITATION IN URBAN AREAS VARIABILITY OF HYDROLOGIC RECORDS ENVIRONMENTAL-IMPACT OF NORTHERN MINING KARST HYDROCHEMISTRY.
FERGUSON NC : EMISSION DATA-COLLECTION & UPDATE FOR NON-FERROUS MINING & SMELTER OPERATIONS.
HUCK PM : TREATMENT OF DRINKING-WATER (ORGANIC CONTAMINANTS ALTERNATIVE DISINFECTANTS, ACTIVATED CARBON). TREATMENT OF URANIUM MINING & MILLING WASTES (DEVELOPMENT OF A NEW PROCESS FOR RADIUM REMOVAL).
IVARSON KC : STUDY THE TRANSFORMATION OF IRON & MANGANESE BY SOIL MICROBES; THE RELEASE OF ELEMENTS FROM MINING ORES BY MICROBES; THE PRODUCTION OF PROTEIN & ALCOHOL FROM WASTES BY MICROBES.
JOSHI SR : DEVELOPMENT OF METHODS FOR MEASURING RADIONUCLIDE IN THE AQUATIC ENVIRONMENT; IMPACT OF RADIONUCLIDES RELEASED FROM NUCLEAR FACILITIES & URANIUM MINING INDUSTRY ON THE AQUATIC ENVIRONMENT; NUCLEAR TECHNIQUES IN WATER-POLLUTION RESEARCH.
MCCREADY RGL : APPLICATION OF BIOTECHNOLOGY TO MINERAL RECOVERY AND ENVIRONMENTAL-PROTECTION IN RELATION TO MINING ACTIVITIES.
MURRAY DR : INVENTORY OF CANADIAN ACTIVITIES RELATED TO SOIL & WATER LIMITATIONS, DEGRADATION, CONSERVATION, IMPROVEMENT, RECLAMATION. ACTIVITIES ASSOCIATED WITH MINING, AGRICULTURE, FORESTRY, ENERGY, TRANSPORTATION, CONSTRUCTION, ETC.
OVEREND RP : INVESTIGATION OF POTENTIAL AND APPLICATIONS OF BIOMASS LIQUEFACTION AND FRACTIONATION FOR CHEMICALS AND ENERGY. PEAT MINING AND DEWATERING WITH ENVIRONMENTAL-IMPACT AND PROCESS IMPACT.
REID KW : MANAGEMENT, BEHAVIOUR & ENVIRONMENTAL-IMPACT OF POTASH MINING WASTES. MEASUREMENT & CONTROL OF THE WORK ENVIRONMENT IN POTASH MINING.
ROBERTSON JA : POLICY ADVISOR TO MINISTRY OF NORTHERN DEVELOPMENT AND MINES ON MATTERS RELATING TO URANIUM. EXPLORATION, MINING RESERVES/RESOURCES. TAILINGS AND WASTE-DISPOSAL. GEOLOGY OF URANIUM DEPOSITS.
ROMANO LS : CHEMICAL ENGINEERING. MINING AND COMBUSTION CONTROL; HEAVY CHEMICAL INDUSTRY TECHNICAL DEVELOPMENT MANAGEMENT. SEWAGE AND WASTE CONTROL EXPERIENCE. FIRST CHEMICAL-PHYSICAL S.T.P. AND AERATED COMPOST FACILITY IN CANADA.
ROSEHART RG : WATER-POLLUTION CONTROL IN PULP-AND-PAPER AND MINING INDUSTRY. (COLOUR REMOVAL, TOXICITY REDUCTION AND PROCESS CHANGE). PUBLIC CONSULTATION, GOVERNMENT POLICY FORMULATION.

MINING

SHAWKI SM : SPECIALTY CHEMICALS & CHEMICAL SERVICES FOR WATER CLARIFICATION & POLLUTION-CONTROL FOR MUNICIPALITIES & INDUSTRIES SUCH AS MINING, PULP & PAPER, AUTOMOTIVE, METAL INDUSTRIES & OIL FIELD SERVICES.
SINGLETON GA : ACID-DEPOSITION: EFFECTS ON FORESTED SYSTEMS; RECLAMATION OF DISTURBANCES FROM SURFACE MINING, OIL-SANDS DEVELOPMENT & OIL & GAS INDUSTRIES; BIOTECHNOLOGY, RESOURCE INVENTORY & TECHNOLOGY-TRANSFER; GEOSCIENCE INVESTIGATIONS. TERRESTRIAL BASED RESEARCH.
STEVENSON JS : COMPOSITION OF DEEP SEA NODULES; PROBLEMS OF HEALTH RELATED TO MINING.
THOMPKINS RW : DEVELOPED A METHOD TO MEASURE RADIOACTIVE CHARACTERISTICS OF URANIUM FROM CORE OR HAND SIZED SPECIMENS OF URANIUM ORES. FROM THESE MEASUREMENTS SAFE ENVIRONMENTAL LIMITS, COMPARATIVE MINE DESIGNS CAN BE MADE & THE ECONOMICS OF MINING ASSESSED EARLY IN THE MINE PLANNING STAGE.
TONES PI : SURFACE WATER-QUALITY OF PRAIRIE RIVERS & RESERVOIRS; IMPACT OF MINING ESPECIALLY URANIUM MINING ON AQUATIC SYSTEMS; DEVELOPMENT OF WATER-QUALITY OBJECTIVES.
WOTTON DL : LEAD: DEPOSITION & ACCUMULATION IN URBAN SOILS, SMELTER EMISSIONS, EXHAUST, PAINT RESIDUES. FOREST: EFFECTS FROM MINING SMELTERS ON VEGETATION & SOIL, NORTHERN BOREAL-FOREST ECOSYSTEMS, CONIFEROUS REGENERATION IMPACTS FROM HEAVY-METAL CONTAMINATED SOILS. SOIL & GEOLOGY SENSITIVITY MAPPING FOR ACID-RAIN. HERBICIDES.

MINK

KUCERA E : MAMMALS AS INDICATORS OF ENVIRONMENTAL-QUALITY OR CONTAMINATION. MERCURY IN MINK & OTTER. HEAVY-METALS IN WILD MAMMALS. FLUORIDES IN DEER & SMALL MAMMALS. TRANSLATOR: CZECH, GERMAN, RUSSIAN, SLOVAK INTO ENGLISH; ENGLISH INTO CZECH, GERMAN.

MODELE

BOBEE BJY : HYDROLOGIE STATISTIQUE; HYDROSTATISTIQUE; ANALYSE STATISTIQUE; METHODE STATISTIQUE DEBIT EAU; ECOULEMENT EAU; CRUE PARAMETRE HYDROLOGIQUE; HYDROPARAMETRE RESEAU HYDROMETRIQUE; RESEAU HYDROLOGIQUE ACQUISITION-DE-DONNEES; RESEAU LOI STATISTIQUE; DISTRIBUTION STATISTIQUE; PEARSON-III; MODELE HYDROLOGIE.
CLUIS D : HYDROLOGIE STATISTIQUE; HYDROSTATISTIQUE; ANALYSE STATISTIQUE; METHODE STATISTIQUE; SERIE DE TEMPS; PAS DE TEMPS COEFFICIENT, AUTOCORRELATION; AUTOCORRELATION BIAIS-RESIDUEL; SERIE CHRONOLOGIQUE; TEST DE TENDANCE; TEST D' INDEPENDANCE; MODELE HYDROLOGIE; MODELE CEQUEAU; MODELE DETERMINISTE; COUPLAGE QUANTITE-QUALITE; RESEAU HYDROLOGIE; ACQUISITION-DE-DONNEES.
FORTIN JP : HYDROLOGIE; HYDROMETEOROLOGIE; PRECIPITATION; PLUIE; NEIGE; RUISSELLEMENT; DEBIT; ECOULEMENT; PHYSIOGRAPHIE; RIVIERE; BASSIN VERSANT; CRUE; INONDATION; TELEDETECTION EAU; SATELLITE EAU; INTEGRATION DES DONNEES; STATISTIQUE HYDROLOGIE; GESTION-EAU; PLANIFICATION-EAU; PREVISION EAU; DECISION EAU; PROTECTION EAU; CONTROLE-EAU; MODELE HYDROLOGIQUE; CEQUEAU MODELE; MODELE DETERMINISTE MAILLE-CARREAU; MODELE D AJUSTEMENT; PREVISION HYDROLOGIQUE; PREVISION ECOULEMENT; PREVISION TEMPS REEL; RESEAU HYDROLOGIQUE; PLUVIOMETRE; RADAR HYDROLOGIE; STATION-PLUVIOMETRIQUE; RESEAU RADAR METEOROLOGIE; PRECIPITATIONS-ACIDES; POLLUANTS-ATMOSPHERIQUES; TRANSPORT-A-LONGUE-DISTANCE; MODELE STATISTIQUE; DIFFUSION UNIDIMENSIONNEL; ANISOTROPIE-SPATIALE.
MORIN G : HYDROLOGIE; MODELE HYDROLOGIE; CEQUEAU MODELE; MODELE STOCHASTIQUE; PLUIE DEBIT; PLUIE RUISSELLEMENT; COMPOSANTE PRINCIPALE; ONDE-DE-CRUE; CRUE PREVISION; CRUE CONTROLE; MODELE EMPIRIQUE; QUALITE EAU; MODELE-MATHEMATIQUE; MODELE UNIDIMENSIONNEL; PARAMETRE HYDROLOGIQUE; HYDROPARAMETRE.
VILLENEUVE JP : HYDROLOGIE; MODELE HYDROLOGIE; MODELE HYDROGEOLOGIE; HYDROGEOLOGIE; MODELE EAUX-SOUTERRAINES; EAU-SOUTERRAINE; MODELE RIVIERE; MODELE BASSIN-VERSANT; MODELE EAU RIVIERE; MODELE QUANTITE-QUALITE; COUPLAGE QUANTITE-QUALITE.

MODELE-MATHEMATIQUE

MORIN G : HYDROLOGIE; MODELE HYDROLOGIE; CEQUEAU MODELE; MODELE STOCHASTIQUE; PLUIE DEBIT; PLUIE RUISSELLEMENT; COMPOSANTE PRINCIPALE; ONDE-DE-CRUE; CRUE PREVISION; CRUE CONTROLE; MODELE EMPIRIQUE; QUALITE EAU; MODELE-MATHEMATIQUE; MODELE UNIDIMENSIONNEL; PARAMETRE HYDROLOGIQUE; HYDROPARAMETRE.

MODELES

BELAND M : RELEVANT DE LA DIRECTION GENERALE DE LA RECHERCHE, LA DIVISION DE RECHERCHE EN PREVISION NUMERIQUE SITUEE A DORVAL DOIT CONCEVOIR, DEVELOPPER ET FOURNIR LES MODELES DE PREVISION NUMERIQUE DU TEMPS (PNT) ET LES MODELES D' ASSIMILATION DES DONNEES ET PARAMETRES NECESSAIRES A LEUR FONCTIONNEMENT AU CMC. LA DIVISION POURSUIT EGALEMENT UN PROGRAMME IMPORTANT DE RECHERCHE FONDAMENTALE SUR LES METHODES NUMERIQUES, LE PARAMETRAGE DES ECHELLES NON-RESOLUES PAR LES MODELES ACTUELS DE PNT ET SUR L' ASSIMILATION ET L'ANALYSE DES DONNEES METEOROLOGIQUES. LES RESULTATS DE CES TRAVAUX FONT L' OBJET DE COMMUNICATIONS SCIENTIFIQUES ORALES ET ECRITES DANS DES REVUES ET CONGRES SCIENTIFIQUES NATIONAUX ET INTERNATIONAUX.

MODELES

MODELLING

ADAMS BJ : WATER-RESOURCES SYSTEMS ANALYSIS: PLANNING, DESIGN, OPERATION AND MANAGEMENT; WATER-QUALITY MANAGEMENT; REGIONAL WASTEWATER MANAGEMENT; APPLICATIONS OF SYSTEMS ANALYSIS (STATISTICAL, SIMULATION, AND OPTIMIZATION) TECHNIQUES TO ENVIRONMENTAL SYSTEMS; RESERVOIR ANALYSIS; HYDROLOGIC MODELLING; STORMWATER MANAGEMENT; FLOOD CONTROL AND DRAINAGE; IRRIGATION; HYDROLOGIC & METEOROLOGIC DATA-ANALYSIS URBAN WATER SYSTEMS.
AKENHEAD SA : FISHERIES OCEANOGRAPHY, BIOLOGICAL OCEANOGRAPHY, FISHERIES MANAGEMENT, ECOLOGICAL MODELLING, HYDROGRAPHY, OCEANOGRAPHIC INSTRUMENTS, MARICULTURE.
BIRMINGHAM BC : DEVELOPMENT OF SCIENTIFIC CRITERIA DOCUMENTS FOR ENVIRONMENTAL STANDARDS MULTI-MEDIA APPROACH. TOXICOLOGICAL ASSESSMENT, ENVIRONMENTAL FATE MODELLING, RECEPTOR EXPOSURE MODELLING, RISK-ASSESSMENT. CHLORINATED DIOXINS & DIBENZOFURANS, PCBS, POLYNUCLEAR-AROMATIC-HYDROCARBONS & PESTICIDES.
BLOXAM RM : APPLIED ATMOSPHERIC MODELLING. LONG-RANGE-TRANSPORT RELATED TO EITHER AIR-QUALITY OR TO DRY & WET DEPOSITION. SHORT RANGE AIR-QUALITY MODELLING.
CHAMP DH : ICE INFORMATION SERVICE FOR REAL-TIME DECISION MAKERS. RESEARCH & DEVELOPMENT TO SUPPORT SERVICE IMPROVEMENTS; MODELLING OF ICE; ICE REMOTE-SENSING & RELATED APPLICATIONS.
CORNETT RJJ : TRANSPORT OF TRACE-ELEMENTS THROUGH AQUATIC SYSTEMS. BIOACCUMULATION OF RADIONUCLIDES MODELLING OXYGEN CONCENTRATIONS IN LAKES. ROLE OF GROUNDWATER INPUTS IN DETERMINING STREAM WATER CHEMISTRY.
CRAIN IK : GEOGRAPHIC INFORMATION-SYSTEMS AS APPLIED TO RESOURCE-PLANNING AND MODELLING.
DONNAN J : ACID-RAIN SOCIO-ECONOMIC RESEARCH PROGRAM CONSISTING OF DAMAGES & BENEFITS; COST OF ABATEMENT & MITIGATION; TOOLS FOR EVALUATION & POLICY DEVELOPMENT. INTEGRATION OF NATURAL & SOCIAL SCIENCE DATA TO DEVELOP POLICY RELEVANT DOCUMENTATION. MODELLING OF ACIDIFICATION EFFECTS.
DUTHIE HC : ECOLOGY AND TAXONOMY OF PHYTOPLANKTON AND PERIPHYTON. RESERVOIR BIOLOGY AND MODELLING; ALGAL-SYSTEMATICS; PALEOLIMNOLOGY AND DIATOMS.
FINCH GR : RESEARCH IN WASTEWATER-TREATMENT TECHNOLOGIES. EXPERTISE IN WASTEWATER LAGOON DESIGN, OPERATION & MAINTENANCE. TERTIARY TREATMENT OF WASTEWATER WITH OZONE, ESPECIALLY DISINFECTION MODELLING.
GALE JE : GROUNDWATER FLOW SYSTEMS IN FRACTURED AND FRACTURED POROUS MEDIA BASED ON FIELD AND NUMERICAL MODELLING STUDIES. PROJECTS INCLUDE (A) DEWATERING IN FRACTURED ROCK MASSES; (B) HYDROGEOLOGY OF FRACTURED ROCKS AS APPLIED TO MINERAL EXPLORATION AND TOXIC-WASTE DISPOSAL; (C) MEASURED VERSUS COMPUTED FRACTURE POROSITY, AND (D) CHARACTERIZING THE GEOMETRY AND MECHANICAL PROPERTIES OF FRACTURE SYSTEMS.
GORDON DC : MARINE-ECOLOGY, ECOLOGICAL MODELLING, ORGAN CARBON CYCLING, MARINE POLLUTION, ENVIRONMENTAL-IMPACT-ASSESSMENT. ASSESSMENT WITH FOCUS ON ESTUARIES & CONTINENTAL SHELF ENVIRONMENTS.
GREEN JE : ENVIRONMENTAL CONSULTING FIRM SPECIALIZING IN APPLIED RESEARCH INVOLVING WILDLIFE POPULATIONS AND WILDLIFE HABITAT. AREAS OF EXPERTISE INCLUDE VEGETATION AND HABITAT ASSESSMENTS, HABITAT EVALUATION MODELLING, BIOLOGICAL MONITORING, BEHAVIOURAL AND DISTURBANCE STUDIES OF WILDLIFE, RECLAMATION PLANNING, WILDLIFE HABITAT ENHANCEMENT AND RECLAMATION, AND PROTECTION PLANNING.
GUIOT SR : ANAEROBIC-WASTEWATER-TREATMENT. DEVELOPMENT OF ADVANCED REACTOR CONFIGURATIONS. MODELLING (STEADY STATE & DYNAMIC). EFFECT OF HYDRAULIC AND ORGANIC FACTORS ON THE SLUDGE GRANULATION INDUCTION. DETOXIFICATION (HEAVY METALS).
HOWARD TE : INDUSTRIAL-HYGIENE. ENVIRONMENTAL HEALTH STUDIES. AIR-POLLUTION STUDIES: IMPACT OF AIR EMISSIONS, ACID-RAIN, ODOUR CONTROL. MODELLING ATMOSPHERIC DISPERSION OF AIR-POLLUTANTS. WATER STUDIES. UPTAKE OF METALS BY AQUATIC ORGANISMS. BIOASSAYS. WASTEWATER-TREATMENT. REMOTE-SENSING. LANDFILL LEACHATE CONTROL.
INSTITUTE FOR ENVIRONMENTAL STUDIE : ENVIRONMENTAL-MANAGEMENT INCLUDING ENVIRONMENTAL PERCEPTION, GREAT-LAKES ECOSYSTEMS REHABILITATION, CLIMATE IMPACT-ASSESSMENT IMPACT OF THIRD-WORLD URBANIZATION, RISK-ASSESSMENT, IMPACTS OF ACID-RAIN AND METALS ON BIOLOGICAL SYSTEMS, MODELLING PATHWAYS OF TOXIC SUBSTANCES, ENVIRONMENTAL-TOXICOLOGY.
KEFFER JF : RESEARCH IN FLUID MECHANICS, HYDRAULICS & TURBULENCE; NATURAL & INDUSTRIAL SITUATIONS. DISPERSION, DIFFUSION, MIXING, METEOROLOGICAL SITUATIONS WITHIN PLANETARY BOUNDARY LAYER. EXPERIMENTAL (LAB & FIELD STUDIES), NUMERICAL MODELLING, WIND EROSION OF MINE-TAILINGS, COAL PILES ETC.
KEMPER JB : ENVIRONMENTAL-ASSESSMENT & MITIGATION RELATED TO WATER-RESOURCE MANAGEMENT: FISHWAYS, INSTREAM FLOW NEEDS, WATER-QUALITY MODELLING, HABITAT ENHANCEMENT.
KILLEY RWD : PHYSICAL & CHEMICAL CONTROLS ON CONTAMINANT TRANSPORT IN GROUNDWATER FLOW SYSTEMS, INCLUDING PREDICTIVE MODELLING.
KIMMINS JP : ENVIRONMENTAL-IMPACT OF FOREST-MANAGEMENT. FOREST ECOSYSTEM FUNCTIONS, BIOMASS AND NUTRIENT-CYCLING, PRODUCTIVITY. COMPUTER-SIMULATION MODELLING OF LONG-TERM IMPACTS OF INTENSIVE FOREST-MANAGEMENT ON YIELD AND SITE FERTILITY - FORCYTE.
LEY BE : AIR-QUALITY MODELLING INCLUDING SMALL SCALE, MESOSCALE & LONG-RANGE TRANSPORT OXIDANT SIMULATION, MESOSCALE METEOROLOGICAL MODELLING FOR APPLICATION IN AIR-POLLUTION STUDIES. LONG-RANGE-TRANSPORT MODELLING EMPLOYING LAGRANGIAN MODELS.
LOWRY RT : RADAR REMOTE-SENSING; ICE MANAGEMENT SYSTEMS; ATMOSPHERIC MODELLING; GROUNDWATER MODELLING GEOLOGICAL TESTING, LAND-USE MAPPING; WEATHER MODIFICATION; APPLIED MECHANICS.

MODELLING

MARKO AM : BIOLOGICAL EFFECTS OF RADIATION & OTHER TOXIC AGENTS. ENVIRONMENTAL PATHWAYS OF MOVEMENT OF RADIOACTIVITY & TOXIC-CHEMICALS & METABOLISM. METABOLIC MODELLING OF RADIONUCLIDES & CHEMICALS & THEIR DOSIMETRY.
MILLER DR : DISTRIBUTION AND TRANSPORT OF TOXIC-CHEMICALS IN THE ENVIRONMENT, AND THEIR EFFECTS ON ECOSYSTEMS AND ORGANISMS INCLUDING MAN; MODELLING OF TRANSPORT PROCESSES; HAZARD ASSESSMENT OF ENVIRONMENTAL CONTAMINANTS.
MINNS CK : MODELLING & STATISTICAL-ANALYSIS OF FISHERIES & ENVIRONMENTAL PROBLEMS INCLUDING COMMUNITY DYNAMICS, EUTROPHICATION, ACIDIFICATION AND CONTAMINANTS.
MISRA PK : AIR-POLLUTION MODELLING AT ALL SCALES OF MOTION. BOUNDARY LAYER RESEARCH. LONG-RANGE-TRANSPORT MODELLING.
NICHOLSON RV : GEOCHEMICAL MODELLING & GROUNDWATER CONTAMINATION. RESEARCH INCLUDES SULPHIDE MINERAL OXIDATION & ACID GENERATION, CHEMICAL EVOLUTION OF URANIUM MILL-TAILINGS, MODELLING ACID GENERATION, OXYGEN TRANSPORT IN SUBSURFACE (TAILINGS) & EQUILIBRIUM & KINETIC MODELLING OF GEOCHEMICAL PROCESS.
PALMER MD : WATER-QUALITY STUDIES AND PREDICTION MODELLING; BEACH BACTERIA CONTAMINANT MANAGEMENT STUDIES; OUTFALL AND INTAKE STUDIES AND DESIGN; DISPERSION AND TRANSPORT IN COASTAL REGIONS; HAZARDOUS-CHEMICALS MIXING ZONE PREDICTIONS AND RISK-ASSESSMENT; WATER-QUALITY MANAGEMENT PLANNING MODELS.
PILON PJ : STATISTICAL MODELLING, PHYSICAL (CONCEPTUAL) MODELLING, DATA SCREENING, FLOOD FREQUENCY ANALYSIS, MICRO COMPUTER USER-FRIENDLY PROGRAMMING, REGRESSION ANALYSIS, FILLING-IN MISSING HYDROMETRIQUE RECORDS.
RICHARDSON J : SCIENTIFIC ADVICE IN CANADIAN FORESTRY SERVICE RESEARCH IN THE FIELD OF FOREST PRODUCTIVITY, INCLUDING FOREST INVENTORY, GROWTH & YIELD, REMOTE-SENSING, THINNING, FERTILIZATION, MODELLING & IN FOREST BIOMASS-PRODUCTION.
ROUSE WR : INTERACTION OF CLIMATE & SEA ICE IN HUDSON & JAMES BAYS. MODELLING CLIMATIC, HYDROLOGIC & VEGETATIONAL RELATIONS IN THE COASTAL SALT MARSHES. PREDICTING THE ENVIRONMENTAL-IMPACT OF RIVER DAMS & DIVERSION & CLIMATIC MODIFICATION IN JAMES-BAY & HUDSON BAY.
ROWE RK : MODELLING CONTAMINANT MIGRATION THROUGH SOILS WITH PARTICULAR EMPHASIS ON CLAY LINERS. DEVELOPMENT OF TECHNIQUES FOR DETERMINATION OF APPROPRIATE SOIL LEACHATE PARAMETERS.
SHEPPARD MI : SOIL MIGRATION & PLANT UPTAKE OF CHEMICAL & RADIOACTIVE-WASTES. COMPUTER MODELLING TO PREDICT SOIL RESIDENCE TIMES & LEACH RATES. PHYSICAL, CHEMICAL, THERMAL & RADIOLOGICAL CHARACTERIZATION OF SOILS.
SKEY SGP : WEATHER AND SEA STATE FORECASTING (REAL TIME, 24 HRS/DAY/YEAR ROUND). METEOROLOGICAL MONITORING, FIELD STUDIES, NUMERICAL MODELLING, POLLUTION STUDIES, AGRICULTURAL AND WATER-RESOURCE STUDIES. OCEANOGRAPHIC CONSULTING, CURRENT, TIDE AND WAVE MEASUREMENTS AND ANALYSIS FROM SHALLOW WATER TO DEEP OCEAN.
ST PIERRE CC : AIR-POLLUTION CONTROL; WET-SCRUBBERS; SOURCE EMISSION MEASUREMENTS; RISK-ASSESSMENT; INDOOR AIR-POLLUTION MODELLING & MEASUREMENT; QUANTIFICATION OF ODOUR IMPACT LABORATORY ANALYSIS AND DISPERSION MODELLING.
TAYLOR PA : STUDIES OF WIND & TURBULENCE IN THE ATMOSPHERIC BOUNDARY LAYER, ESPECIALLY IN COMPLEX TERRAIN. WIND ENGINEERING APPLICATIONS OF THIS WORK, ESPECIALLY IN WOOD TURBINE SITE SELECTION & EVALUATION. NUMERICAL MODELLING & FIELD OBSERVATIONS.
TELEKI GC : ENGINEERING & BIOLOGICAL SCIENCES RELATED ENVIRONMENTAL-ASSESSMENT & MONITORING. ENVIRONMENTAL (NATURAL) RESOURCE-MANAGEMENT MODELLING. ENVIRONMENTAL-IMPACT-ASSESSMENT. FISHERIES & AQUATIC SCIENCES.
VANDENBERG A : MODELLING OF SATURATED & UNSATURATED GROUNDWATER FLOW; STUDY OF IMPACT OF AGRICULTURAL DRAINAGE ON THE RIVER HYDROGRAPH.
VISWANATHAN S : PARTICULATE MEASUREMENT AND CONTROL, ODOUR MEASUREMENT AND CONTROL, TRACE-ELEMENT MEASUREMENT, DISPERSION MODELLING, INDUSTRIAL-HYGIENE MEASUREMENTS, HEATING AND VENTILATION, HAZARDOUS-WASTE AUDITS.
WIKEN EB : TERRESTRIAL-ECOLOGY: ECOLOGICAL LAND-CLASSIFICATION, EVALUATION & MODELLING; LAND CAPABILITY RATING & SUITABILITY; ENVIRONMENTAL-ANALYSIS & MANAGEMENT. COORDINATION ACTIVITIES CONCERNING ACID-RAIN RESEARCH & ENVIRONMENTAL-IMPACT-ASSESSMENT IN AREAS CONCERNING LAND, WATER & WILDLIFE.
YONG RN : RESEARCH INVOLVES ENVIRONMENTAL-AUDITING PERTAINING TO HAZARDOUS-WASTE DISPOSAL AND MANAGEMENT. RESEARCH THEMES ADDRESSED INCLUDE CONTAMINANT MIGRATION MODELLING IN SOILS, SOIL DECONTAMINATION, TOXICITY ASSESSMENT, CONTAMINANT BIODEGRADATION, LAND FARMING, REMEDIAL MEASURES, SOIL BIOTECHNOLOGY.
ZITKO V : DETECTION, IDENTIFICATION, MEASUREMENT, EFFECTS OF CHEMICALS ON AQUATIC-BIOTA. MASS-SPECTROMETRY, ENVIRONMENTAL MODELLING, TOXICOLOGY, ORGANIC-CHEMICALS.

MODELS

BARNARD JW : DEVELOPMENT OF COMPUTER MODELS OF THE BIOSPHERE TO ASSIST IN ENVIRONMENTAL & SAFETY ASSESSMENT OF RADIOTOXIC & CHEMICALLY TOXIC-WASTE DISPOSAL. PATHWAYS ANALYSES. IMPACT STATEMENTS & ENVIRONMENTAL SCREENING DOCUMENTS FOR WASTE STORAGE & DISPOSAL, LICENSING OF NEW FACILITIES.

MODELS

CHOMYN BA : GEOLOGY AND GEOCHEMISTRY OF DEEP ROCK DISPOSAL OF HIGH LEVEL RADIOACTIVE-WASTE; MAGNETIC SUSCEPTIBILITY, MEASUREMENTS RELATIVE TO ROCK COMPOSITION AT DEPTH. PREDICTION OF THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH URANIUM TAILINGS WITH TIME MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK BEING EXTENDED TO OTHER TYPES OF TAILINGS.

JAMES W : URBAN HYDROLOGY, STORMWATER MANAGEMENT, FIELD INSTRUMENTATION, COMPUTER-MODELLING, STORM MODELS WATER-QUALITY MODELLING.

KENNEY BC : PHYSICAL LIMNOLOGY OF PRAIRIE LAKES INCLUDING ASPECTS OF AIR & WATER INTERACTION, MIXING AND TURBULENCE, SEDIMENT RESUSPENSION AND LARGE SCALE LAKE CIRCULATION. EUTROPHICATION AND PHOSPHORUS DYNAMICS MODELS. WATER CIRCULATION UNDER WINTER ICE.

LEY BE : AIR-QUALITY MODELLING INCLUDING SMALL SCALE, MESOSCALE & LONG-RANGE TRANSPORT OXIDANT SIMULATION, MESOSCALE METEOROLOGICAL MODELLING FOR APPLICATION IN AIR-POLLUTION STUDIES. LONG-RANGE-TRANSPORT MODELLING EMPLOYING LAGRANGIAN MODELS.

PALMER MD : WATER-QUALITY STUDIES AND PREDICTION MODELLING; BEACH BACTERIA CONTAMINANT MANAGEMENT STUDIES; OUTFALL AND INTAKE STUDIES AND DESIGN; DISPERSION AND TRANSPORT IN COASTAL REGIONS; HAZARDOUS-CHEMICALS MIXING ZONE PREDICTIONS AND RISK-ASSESSMENT; WATER-QUALITY MANAGEMENT PLANNING MODELS.

REYNOLDS PJ : PLANNING, COORDINATING AND CONDUCTING A PROGRAM OF LARGELY DIVERSE STUDIES RELATED TO WATER-RESOURCES POLICY STRATEGIES AND MANAGEMENT INTERFACES WITH FOOD, FIBRE, ENERGY AND MINERALS DEVELOPMENT OF WATER-USE ANALYSIS MODELS. CONDUCTING NATIONAL WATER-USE SURVEYS. EVALUATION OF THE VALUE OF WATER-RESOURCES SYSTEMS.

RITCEY GM : PROCESS OF URANIUM AND BASE-METAL ORES WHERE THE ENVIRONMENTAL CONSIDERATIONS OF TAILINGS EFFLUENTS WERE CONSIDERED. RECENTLY DEVOTED TO URANIUM AND SULPHIDE TAILINGS, TO PREDICT THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH THE TAILINGS WITH TIME. MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK WILL BE EXTENDED TO MATERIALS TO INHIBIT OXIDATION.

MOISTURE

BOWEN RP : RESEARCH TO PROVIDE THE KNOWLEDGE BASE REQUIRED FOR THE DESIGN AND OPERATION OF BUILDING SERVICES INCLUDING VENTILATION AND AIR MOVEMENT, SMOKE CONTROL IN TALL BUILDINGS, LIGHTING AND ADVANCED TECHNOLOGY IN BUILDINGS AS WELL AS FOR THE DESIGN OF THE BUILDING ENVELOPE FOR THE CONTROL OF HEAT, AIR AND MOISTURE.

TIMUSK J : STUDY OF BUILDING MATERIALS, COMPONENTS, DETAILS & CONSTRUCTION METHODS WITH RESPECT TO MAINTENANCE OF INTERIOR TEMPERATURE & MOISTURE LEVELS & AVOIDANCE OF DETRIMENTAL BIOLOGICAL & CHEMICAL ACTIVITY, AGING & ENVIRONMENTALLY INDUCED DISTRESS IN BUILDINGS.

MONITOR

MANITOBA NATURALISTS SOCIETY : FIVE ACTION COMMITTEES MONITOR THE ENVIRONMENT OF MANITOBA IN PARTICULAR, BUT ALSO STUDY NATIONAL AND INTERNATIONAL ISSUES. THEY ARE PARKS, WILDLIFE, URBAN-ENVIRONMENT, HABITAT CONSERVATION AND ENVIRONMENTAL ACTION. VARIOUS POSITION PAPERS AND BRIEFS ARE WRITTEN REGARDING ENVIRONMENTAL ISSUES AND BROUGHT FORWARD TO THE GOVERNMENT AND INDUSTRY RESPONSIBLE. HECLA ISLAND MANAGEMENT PLAN, LOGGING IN ATIKAKI WILDERNESS AREA, CITY OF WINNIPEG RIVERS AND STREAM AUTHORITY, HYDRO ELECTRIC DEVELOPMENT (CONAWAPA) AND STORAGE OF NUCLEAR-WASTE.

PHILLIPS SF : VEGETATION & SOIL STUDIES TO DETERMINE DEGREE & EXTENT OF ENVIRONMENTAL-CONTAMINATION & EFFECTS ON TERRESTRIAL-ECOSYSTEMS. DIRECT & INDIRECT EFFECTS OF HEAVY-METALS & SULPHUR-DIOXIDE FROM NON-FERROUS METAL SMELTERS ON BOREAL-FOREST ECOSYSTEMS; MONITOR LRTAPS, WOOD PRESERVATIVE CHEMICALS.

SHARIFF AJ : MONITOR TRACE LEVELS OF LOW MOLECULAR WEIGHT ORGANIC-COMPOUNDS IN INDUSTRIAL WASTEWATERS & RECEIVING MEDIA BY APPLICATION & MODERN ANALYTICAL TECHNIQUES. SPECIALIZATION IN ENVIRONMENTAL IMPACT OF PULP & PAPER MILL EFFLUENTS.

MONITORING

ABBOTT AH : REGULATORY, MONITORING, EDUCATIONAL & OTHER ASPECTS OF ENVIRONMENTAL ACTIVITIES IN NOVA SCOTIA. ENVIRONMENTAL RESEARCH AS DEVELOPED BY TECHNICAL & PROFESSIONAL STAFF.

ACHUFF PL : RESEARCH & INVENTORY STUDIES IN PLANT ECOLOGY VEGETATION DESCRIPTION & ANALYSIS; NATURAL RESOURCE INVENTORY AND MONITORING, CONSERVATION ECOLOGY & MANAGEMENT; PARKS, ECOLOGICAL RESERVES & NATURAL AREAS.

BINGHAM DK : MONITORING OF INDUCED SEISMICITY IN THE AREAS OF HEAVY OIL EXTRACTION, ABANDONED COAL MINE (TURTLE-MOUNTAIN) & RESERVOIR (OLDMAN RIVER).

BROWN DJ : AQUATIC MONITORING TO ASSESS EFFLUENT IMPACT ON PROVINCIAL WATER-QUALITY OBJECTIVES, TO ASSESS IMPACT OF METALS & PESTICIDES IN FISH, TO ASSESS IMPACT OF PESTICIDE & HERBICIDE USE ON AQUATIC-ECOSYSTEMS.

CEROICI WJ : EVALUATING GROUNDWATER CONTAMINATION FROM WASTE-DISPOSAL FACILITIES & INDUSTRIAL PLANTS. DESIGN OF GROUNDWATER MONITORING SYSTEMS, COLLECTION & INTERPRETATION OF MONITORING DATA.

MONITORING

CHISHOLM AJ : MANAGEMENT OF RESEARCH IN STRATOSPHERIC POLLUTION. OZONE MONITORING. SOLAR ENERGY. WEATHER RADAR. CLOUD PRECIPITATION PHYSICS. CLOUD CHEMISTRY & ACID-FOG. HEAD. CANADIAN DELEGATION NEGOTIATING THE VIENNA CONVENTION FOR THE PROTECTION OF THE OZONE LAYER.

CROSS PM : LIMNOLOGIST RESPONSIBLE FOR ROUTINE WATER-QUALITY MONITORING & SPECIAL STUDIES WITHIN THE RED-DEER. OLDMAN & MILK-RIVER BASINS. MAINTAIN & APPLY WATER-QUALITY SIMULATION MODEL (WQRRS) TO RIVERS IN THE SOUTH-SASKATCHEWAN RIVER BASIN.

CURRIE RA : MONITORING OF FOODS FOR PESTICIDE RESIDUES INCLUDING ORGANOCHLORINE AND ORGANOPHOSPHORUS INSECTICIDES AND VARIOUS HERBICIDES.

DAINTY ED : DEVELOPMENT OF DIESEL EMISSION REDUCTION DEVICES FOR USE ON UNDERGROUND MINING VEHICLES (SUCH AS FILTERS AND SCRUBBERS). PROMOTION OF RATIONAL DIESEL EMISSIONS TOXICITY CRITERION FOR UNDERGROUND VENTILATION PRESCRIPTION. AND PROMOTION OF THIS CRITERION (AIR-QUALITY INDEX; AQI) FOR RATIONAL SELECTION OF ENGINES AND REDUCTION DEVICES FOR USE UNDERGROUND AND IN OTHER CONFINED ENVIRONMENTS WHERE DIESEL ENGINES ARE EMPLOYED. AMBIENT MONITORING OF DIESEL POLLUTANTS.

DE SOUZA TLC : MONITORING OF SULPHUR GASES FROM SUCH PROCESSES AS KRAFT PULPING IN THE MANUFACTURE OF PAPER. EXPERTISE IN WET-SCRUBBING OF TOTAL REDUCED SULPHUR GASES IN ORDER TO MEET COMPLIANCE REQUIREMENTS.

DEMAYO A : WATER-QUALITY MONITORING & SURVEYS. WATER-QUALITY OBJECTIVES. ENVIRONMENTAL DATA & MANAGEMENT INFORMATION-SYSTEMS. WATER-QUALITY DATA INTERPRETATION & REPORTING. ORGANIZATION & EVALUATION OF PROGRAMS.

DOUGLAS GR : GENETIC TOXICOLOGY. MUTAGENESIS. GENETIC MONITORING OF HUMAN POPULATION. APPLICATION OF GENETIC TOXICOLOGY DATA IN REGULATION OF CHEMICALS. WORLD HEALTH ORGANIZATION COLLABORATION CENTRE ON ENVIRONMENTAL-MUTAGENESIS.

DUNCAN CE : AIR-QUALITY & PRECIPITATION QUALITY MONITORING. ACID-RAIN MATHEMATICAL-MODELLING. METEOROLOGY. CONTROL & PROCESS TECHNOLOGY. HAZARDOUS CONTAMINANTS. STANDARD SETTING & REGULATION. SOURCE ASSESSMENT & MEASUREMENTS. VEHICLE EMISSIONS. SOILS & VEGETATION ASSESSMENT. PLANT PATHOLOGY EMERGENCY RESPONSE.

ELDER FC : RESEARCH MANAGEMENT IN AREAS RELATED TO ACID-PRECIPITATION EFFECTS ON AQUATIC SYSTEMS. PHYSICAL LIMNOLOGY AND WATER-RESOURCE DATA-MANAGEMENT. ENVIRONMENTAL AND WATER-RESOURCE MONITORING.

ESPLIN GJ : DEVELOPMENT OF A NEW PROCESS FOR ACID-RAIN NEUTRALIZATION (LABORATORY KINETIC STUDIES). AIR-POLLUTION MONITORING & CONTROL TECHNOLOGIES. TOXIC-WASTE INCINERATION. BIOMASS GASIFICATION. NEW COMBUSTION TECHNOLOGY.

FRANK R : RESEARCH INTO PESTICIDE DISAPPEARANCE FROM TREATED PLANTS & ANIMALS. MONITORING RESEARCH INTO RESISTANCE & MOBILITY IN THE ENVIRONMENT.

GANNON J E : LIMNOLOGY WITH SPECIAL EMPHASIS ON ZOOPLANKTON ECOLOGY. WATER-RESOURCES MANAGEMENT & ENVIRONMENTAL EDUCATION. SECRETARIAT DUTIES WITH RESPONSIBILITY FOR OVERSEEING US & CANADIAN MONITORING & SURVEILLANCE PROGRAMS ON THE GREAT-LAKES.

GHENT M : RISK AND HAZARD ASSESSMENT AND MONITORING. ENVIRONMENTAL-ASSESSMENT. METEOROLOGY. DATA-BASE SERVICES. OCCUPATIONAL-HEALTH AND SAFETY. ENGINEERING AND INDUSTRIAL PROCESS. INSTRUMENTATION AND LABORATORY SERVICES.

GNYP AW : STACK. AMBIENT AND IN-PLANT SAMPLING AND CONTINUOUS MONITORING FOR PARTICULATE AND GASEOUS POLLUTANTS: PARTICLE-SIZING: ODOUR MEASUREMENT AND CONTROL: DESIGN OF CONTROL EQUIPMENT FOR GASEOUS PARTICULATE AND ODOUROUS POLLUTANTS: LONG AND SHORT RANGE ATMOSPHERIC TRANSPORT: SOLID-WASTE DISPOSAL.

GOYETTE DE : MARINE ENVIRONMENTAL-IMPACT-ASSESSMENT AND POLLUTION-CONTROL; INDUSTRIAL AND MUNICIPAL DISCHARGES. PACIFIC COAST. SPECIFIC STUDIES ON THE PHYSICAL. CHEMICAL AND BIOLOGICAL IMPACTS OF MINE-TAILINGS AND EFFLUENTS FROM PULP-MILLS; TISSUE TRACE-METALS; MONITORING AND REGULATION COMPLIANCE; ENVIRONMENTAL-IMPACT-ASSESSMENT; PORT & HARBOURS; BIOLOGICAL EFFECTS OF ORGANIC CONTAMINANTS AND URBAN WASTES.

GREEN JE : ENVIRONMENTAL CONSULTING FIRM SPECIALIZING IN APPLIED RESEARCH INVOLVING WILDLIFE POPULATIONS AND WILDLIFE HABITAT. AREAS OF EXPERTISE INCLUDE VEGETATION AND HABITAT ASSESSMENTS. HABITAT EVALUATION MODELLING. BIOLOGICAL MONITORING. BEHAVIOURAL AND DISTURBANCE STUDIES OF WILDLIFE. RECLAMATION PLANNING. WILDLIFE HABITAT ENHANCEMENT AND RECLAMATION. AND PROTECTION PLANNING.

GUTHRIE JE : GENERAL AND APPLIED ECOLOGY. WITH SPECIALIST EXPERTISE IN RADIATION ECOLOGY. AREAS OF RESEARCH INCLUDE ENVIRONMENTAL RADIATION MONITORING AND SURVEILLANCE. AND EFFECTS OF CHRONIC EXPOSURE TO RADIATION ON TERRESTRIAL-ECOSYSTEMS. GEOGRAPHIC INFORMATION-SYSTEMS.

HODSON PV : FISH TOXICOLOGY: QUANTITATIVE STRUCTURE ACTIVITY. RELATIONSHIPS FOR ORGANIC-CHEMICALS. DEVELOPMENT OF DIAGNOSTIC TOOLS FOR FISH MONITORING BASED ON BIOCHEMICAL RESPONSES. DEVELOPMENT OF WATER-QUALITY OBJECTIVES.

JONES ARC : PRIVATE FOREST-MANAGEMENT. SHORT ROTATION FORESTRY; HARDWOOD FOREST DECLINE. MONITORING OF DAMAGING AGENTS & AMELIORATION OF EFFECTS.

JURY JW : INVESTIGATION OF RADON GAS IN NATURAL WATERS. TRACE-ELEMENT ANALYSIS USING PHOTON & NEUTRON ACTIVATION TECHNIQUES. PHOTON SPECTROSCOPY (GAMMA-RAYS). RADIATION IMAGING & MONITORING.

LE BLANC JPR : POPULATION ECOLOGY; EFFECTS OF TEMPERATURE ON THE PREDATORY PHYTOSEIID-MITES ON APPLE. SOIL ARTHROPODS SURVEY & RELATIONSHIP TO SOIL-FERTILITY. INTEGRATED PEST-MANAGEMENT PROGRAMS OF AGRICULTURAL PESTS. PRIMARILY TRAPPING & MONITORING TECHNIQUES. CURATOR OF THE ENTOMOLOGICAL COLLECTIONS.

MONITORING

LOUIE RH : BIOPHYSICAL SURVEYS (SOILS, SURFICIAL GEOLOGY, VEGETATION, WILDLIFE HABITAT, CLIMATE), LAND USE IN BRITISH-COLUMBIA & APPLICATIONS FOR AGRICULTURE, FORESTRY, WILDLIFE, WATER, FISH & OTHER LAND USE PLANNING, ASSESSMENT AND MONITORING. BASE MAP PRODUCTION (TOPOGRAPHIC, PLANIMETRIC AND CADASTRAL). REMOTE-SENSING.
MARCINIUK J : MONITORING OF WATER WELLS COMPLETED INTO AQUIFERS UP TO 460M IN DEPTH. DATA CONSISTS OF CONTINUOUS WATER LEVEL CHARTS & PERIODIC ROUTINE & DETAILED WATER CHEMICAL-ANALYSIS AVAILABLE FOR SOME WELLS SINCE 1956.
MELANCON M : MONITORING DE L' UTILIZATION DES RESSOURCES AGRICOLES, FORESTIERES ET DE MILIEUX-HUMIDES.
MES J : RESEARCH AND MONITORING OF HALOGENATED HYDROCARBON RESIDUES IN VARIOUS HUMAN AND MONKEY-TISSUES AND FLUIDS, INCLUDING MOTHER'S MILK.
MITCHELL PA : LIMNOLOGY OF EUTROPHIC, SHALLOW LAKES; WATER-QUALITY MONITORING; IMPACT-ASSESSMENT OF SURFACE-WATERS; CHARACTERIZATION OF FLOWING WATERS.
MORAN EJ : HEALTH RISK-ASSESSMENT. COMMUNITY HEALTH MONITORING. CONSENSUS PANELS ON MEDICAL ASPECTS OF ENVIRONMENTAL PROBLEMS. ROLE OF THE PHYSICIAN IN ENVIRONMENTAL MATTERS. PROFESSIONAL EDUCATION.
NIEMELA UE : WATER-QUALITY MONITORING & ANALYSIS, ANALYSIS OF WATER, SEDIMENTS & BIOTA. WATER-QUALITY ASSESSMENT & INTERPRETATION. WATER-QUALITY OBJECTIVES & GUIDELINES DEVELOPMENT. WATER-POLLUTION CONTROL. TOXIC-CHEMICALS MANAGEMENT.
PALMER C : RESEARCH IS IN THE AREA OF EFFECTS OF ACID-DEPOSITION ON SOILS. SPECIFIC PROJECTS INCLUDE LONG-TERM MONITORING OF SOILS. THE STUDY OF SOIL-BUFFERING PROCESSES AND RESEARCH TO DETERMINE TARGET LOADINGS.
PETERSON RH : PHYSIOLOGICAL RESPONSES OF EARLY LIFE STAGES OF FISH TO LOW PH & ASSOCIATED TOXIC METALS; STRESSING INTERFERENCE WITH HATCHING, ION ACCUMULATION & AVOIDANCE. MONITORING OF LATE RESPONSES TO PH CHANGE.
PINSONNAULT J : AIR-POLLUTION MONITORING & CONTROL MOSTLY IN THE AREAS OF SULPHUR-DIOXIDE REDUCED SULPHUR COMPOUNDS & PARTICULATE FROM PULP & PAPER MILLS.
POLLOCK TL : OPERATION OF A MONITORING AND SURVEY SERVICE ON THE AQUATIC ENVIRONMENT IN ATLANTIC CANADA. THIS INCLUDES EFFECTS OF LRTAP AND TOXIC-CHEMICALS, AS DEFINED BY ENVIRONMENT CANADA, ON SURFACE-WATERS, LAKE AND RIVER SEDIMENTS AND BIOTA.
QUARSHIE E : QUALITY CONTROL & QUALITY ASSURANCE FOR LABORATORY MEASUREMENTS & INDUSTRIAL-EFFLUENTS MONITORING PROGRAMS. HELP INDUSTRIES SET UP QUALITY CONTROL PROGRAMS FOR SAMPLING & ANALYSIS.
RAAD AWNI T : MONITORING OF SOIL & WATER-CONTAMINATION RESULTING FROM AGRICULTURE BASED ACTIVITIES.
RAISTRICK TN : REVIEW OF ENVIRONMENT CANADA'S ENVIRONMENTAL BASELINE INFORMATION SOURCES. NATIONAL INVENTORY OF BIOLOGICAL EFFECTS MONITORING PROGRAMS. ENVIRONMENTAL-IMPACT OF RESOURCE ROAD DEVELOPMENT. ENVIRONMENTAL-ASSESSMENT METHODS.
ROSA N : MONITORING OF RAIN PH FOR THE TOBACCO REGION OF SOUTHWESTERN ONTARIO TO ESTABLISH A REFERENCE POINT FOR CONTINUED MEASURE OF CHANGES AND EFFECTS UPON CROP PRODUCTION.
RUBEC CDA : EFFECTS OF ACID-PRECIPITATION & ECOSYSTEMS AT RISK. ASSESSMENT OF RESOURCES AT RISK TO ACID-RAIN. WETLANDS & LAND CONSERVATION. LAND USE MONITORING. ECOLOGICAL LAND SURVEY. NORTHERN ECOLOGY.
SADAR MH : SCIENTIFIC ADVISOR TO FEARO AND THE SECRETARIAT OF ENVIRONMENTAL-ASSESSMENT PANELS, MEMBER FEARO RESEARCH MANAGEMENT TEAM, MANAGER OF CANADIAN ENVIRONMENTAL-ASSESSMENT RESEARCH COUNCIL (CEARC) SECRETARIAT, RESEARCH INTERESTS INCLUDE SOCIAL IMPACT, CUMULATIVE IMPACTS, MONITORING, POST-AUDIT AND RISK-ASSESSMENT.
SANDERS CJ : BEHAVIOUR OF MOTHS IN RESPONSE TO SEX PHEROMONES AND IN DISPERSAL; ALSO ON INSECT POPULATION DYNAMICS. DEVELOPMENT OF INSECT MONITORING SYSTEMS (TRAPPING) AND POPULATION REGULATIONS (DISRUPTION OF MATING) USING SEX PHEROMONES.
SHARP DS : ENVIRONMENTAL-HEALTH MANAGEMENT, PUBLIC-HEALTH EXPERIENCE IN DEVELOPING AND MONITORING WATER-SUPPLY AND SANITATION RESEARCH PROPOSALS. THE TOPICS COVERED ARE: TECHNOLOGY DEVELOPMENT, SOCIAL AND MANAGEMENT STUDIES, HEALTH IMPACT STUDIES, WASTE-REUSE RESEARCH, AND MANPOWER DEVELOPMENT PROJECTS.
SHINDLER DB : SCIENTIFIC POLICY ADVICE ON BIOTECHNOLOGY & SAFETY REGULATIONS CONCERNING ENVIRONMENTAL & LARGE-SCALE APPLICATIONS. EXPERTISE IN MICROBIOLOGY, LIMNOLOGY, BIOLOGICAL MONITORING OF TOXIC SUBSTANCES, WATER-QUALITY, LAKE ALGAL-BLOOMS & EUTROPHICATION, AQUATIC ALGAE & MACROPHYTES, BACTERIAL PHYSIOLOGY & BIOCHEMISTRY, ENZYMOLOGY. COORDINATOR OF CANADA'S NATIONAL BIOTECHNOLOGY STRATEGY.
SILVERMAN F : RESPIRATORY EFFECTS OF AIR-POLLUTION ON ASTHMATIC AND HEALTHY NON-ASTHMATICS: A) CONTROLLED HUMAN EXPOSURES IN AN ENVIRONMENTAL CHAMBER (OZONE, SULPHUR-DIOXIDE, CIGARETTE-SMOKE), B) DAILY VARIATIONS IN EXPOSURE (INDOOR, OUTDOOR AND PERSONAL MONITORING).
SKEY SGP : WEATHER AND SEA STATE FORECASTING (REAL TIME, 24 HRS/DAY/YEAR ROUND). METEOROLOGICAL MONITORING, FIELD STUDIES, NUMERICAL MODELLING, POLLUTION STUDIES, AGRICULTURAL AND WATER-RESOURCE STUDIES. OCEANOGRAPHIC CONSULTING, CURRENT, TIDE AND WAVE MEASUREMENTS AND ANALYSIS FROM SHALLOW WATER TO DEEP OCEAN.
SMITH JW : INDUSTRIAL-HYGIENE ENGINEERING AND POLLUTION-CONTROL, CERTIFIED INDUSTRIAL HYGIENIST AND DESIGNATED SPECIALIST IN OCCUPATIONAL-HEALTH AND SAFETY, IMPACT AND RISK-ASSESSMENT, AIR-QUALITY MONITORING.
SMITH LF : EPIDEMIOLOGICAL-STUDIES: POPULATION BASED INFORMATION-SYSTEMS FOR ONTARIO INCLUDING CANCER & REPRODUCTIVE OUTCOMES, POPULATION MONITORING FOR LEAD & PCBS. OUTBREAK INVESTIGATIONS.

MONITORING

SUDOM MD : SOIL SURVEY & LAND-USE STUDIES. ENVIRONMENTAL GUIDELINES FOR LIVESTOCK OPERATIONS. LAND-USE MONITORING.
TELEKI GC : ENGINEERING & BIOLOGICAL SCIENCES RELATED ENVIRONMENTAL-ASSESSMENT & MONITORING. ENVIRONMENTAL (NATURAL) RESOURCE-MANAGEMENT MODELLING. ENVIRONMENTAL-IMPACT-ASSESSMENT. FISHERIES & AQUATIC SCIENCES.
THIE J : LANDSCAPE ECOLOGY, ECOLOGICAL RESEARCH. LAND-USE MONITORING, REMOTE-SENSING, LAND-CAPABILITY INVENTORIES, RESOURCE-MANAGEMENT, ENVIRONMENTAL-IMPACT-ASSESSMENT, GEO INFORMATION-SYSTEMS.
TIMS AJS : ACID-PRECIPITATION MONITORING; PROVINCIAL NETWORK DATA. OZONE MONITORING USING BIOMONITORS. LICHEN & MOSS BIOASSIMILATION OF TRACE-METALS & POLLUTANTS. RESPONSE TO PUBLIC COMPLAINTS OF AIR-POLLUTION INJURY TO VEGETATION.
TOMKINS DJ : OCCUPATIONAL AND ENVIRONMENTAL GENETIC TOXICOLOGY DEVELOPMENT OF SEVERAL GENETIC MEASURES INCLUDING CYTOGENETIC AND SINGLE GENE MUTATION; ASSESSMENT OF MEASURES FOR POPULATION MONITORING.
TORRENUEVA AL : MONITORING ENVIRONMENTAL-IMPACT ASSOCIATED WITH CONSTRUCTION & OPERATION OF ELECTRIC GENERATING STATIONS (THERMAL, HYDRAULIC & NUCLEAR). NUCLEAR). RESEARCH ON THE EFFECTS OF ACID-DEPOSITION & OTHER AIR-POLLUTANTS ON BIOLOGICAL SYSTEMS. REVEGETATION OF ASH DISPOSAL AREAS.
TREW DO : SURFACE-WATER QUALITY MANAGEMENT IN ALBERTA. LOCALIZED IMPACT-ASSESSMENT, GENERAL SURVEY PROGRAMS. MAINTENANCE OF LONG TERM MONITORING STATIONS. WATER-QUALITY ISSUES INCLUDE: EUTROPHICATION, ACIDIC DEPOSITION, IMPACTS FROM MUNICIPAL EFFLUENTS, INDUSTRIAL-EFFLUENTS & RESOURCE EXTRACTION. RIVER BASIN PLANNING; LAKE MANAGEMENT PLANNING.
WALLACE KW : AMBIANT & STACK MONITORING. AGRICULTURAL SPRAY DRIFT & EXPOSURE WORK ON THE CANADIAN PRAIRIES.
WELLS PG : COORDINATION OF MARINE ENVIRONMENTAL QUALITY ISSUE. IDENTIFICATION OF PRIORITY AREAS FOR MARINE POLLUTION RESEARCH & ASSESSMENT FOR LAND BASED POLLUTANTS. MARINE ECOTOXICOLOGY: PRINCIPLES, PRACTISE & RELATIONSHIP TO MARINE COASTAL MANAGEMENT & POLLUTION-CONTROL. BIOLOGICAL TECHNIQUES FOR EFFECTS MONITORING.
WHITELEY HR : IMPACT OF AGRICULTURAL USE OF LAND, INCLUDING DRAINAGE ON QUALITY & QUANTITY OF STREAMFLOW & GROUNDWATER. WATERSHED MONITORING OF SNOWMELT INCLUDING ACID SHOCK EFFECTS.
WILLIAMS DT : DEVELOPMENT OF SAMPLING AND ANALYTICAL METHODS FOR ENVIRONMENTAL ORGANIC CONTAMINANTS. MONITORING OF ORGANIC CONTAMINANTS IN DRINKING-WATER, INDOOR-AIR AND HUMAN TISSUES. REMOVAL OF ORGANIC CONTAMINANT FROM DRINKING-WATER.
WILLIAMS PF : DEVELOPMENT OF MONITORING SYSTEMS TO OPERATE IN REMOTE & HARSH ENVIRONMENTS. ELECTRONICS TO MEASURE, PROCESS, STORE & TELEMETER ENVIRONMENTAL DATA VIA PHONE, RADIO AND SATELLITE.
WOOD AG : PROTECTION OF HEALTH OF EMPLOYEES IN APPLICATION OF INDUSTRIAL-HYGIENE PRINCIPLES. DEVELOPMENT OF MATERIAL SAFETY DATA SHEETS AND TOXICOLOGY SUMMARIES FOR SYNTHETIC RUBBERS. COORDINATION OF WASTE-MANAGEMENT PROGRAMS AND MONITORING OF GOVERNMENTAL REGULATIONS.
WORGAN JP : ENVIRONMENTAL-IMPACT-ASSESSMENT FOR AIRPORT PROJECTS. SPECIALIZATION IN WATER-QUALITY MONITORING AND ASSESSMENT.
YOUNG GJ : HYDROLOGY OF MOUNTAIN AREAS WITH PARTICULAR EMPHASIS ON GLACIERS AS SOURCES OF STREAMFLOW AND AS INITIATORS OF CATASTROPHIC FLOODS. MASS-BALANCE, MONITORING.

MONOAMIN

DOWNER RGH : EFFECTS OF INSECTICIDES AND OTHER AGRICULTURAL CHEMICALS ON METABOLISM AND CONCENTRATION OF MONOAMINES IN THE NERVOUS-SYSTEMS OF TARGET AND NON-TARGET ANIMALS; CORRELATIONS BETWEEN MONOAMIN LEVELS AND BEHAVIOUR; INSECTICIDE DEVELOPMENT.

MONOAMINES

DOWNER RGH : EFFECTS OF INSECTICIDES AND OTHER AGRICULTURAL CHEMICALS ON METABOLISM AND CONCENTRATION OF MONOAMINES IN THE NERVOUS-SYSTEMS OF TARGET AND NON-TARGET ANIMALS; CORRELATIONS BETWEEN MONOAMIN LEVELS AND BEHAVIOUR; INSECTICIDE DEVELOPMENT.

MORPHOLOGIE

FRENETTE M : EROSION DES SOLS; TRANSPORT SOLIDE; SEDIMENTATION DANS LES LACS, RESERVOIRS & ESTUAIRES; STABILITE & MORPHOLOGIE DES COURS D'EAU. CONTAMINATION DES EAUX-SOUTERRAINES, MIGRATION DES POLLUANTS EN MILIEU PARTIELLEMENT SATURE.

MORPHOLOGY

DORE WG : TAXONOMY AND MORPHOLOGY OF GRAMINEAE. PHYTOGEOGRAPHY IN EASTERN NORTH-AMERICA. ABORIGINAL USES OF PLANTS. HISTORICAL CANADIAN BOTANY. FRESHWATER AQUATICS.
LARSON DW : ECOLOGY, MORPHOLOGY, ANATOMY & PHYSIOLOGY OF PLANTS THAT GROW ON ROCKS & CLIFF-FACES. OBJECTIVE: TO DISCOVER MECHANISMS THAT PERMIT SURVIVAL IN SUCH HOSTILE ENVIRONMENTS.

MORPHOLOGY

RAJU MVS : RESEARCH INTERESTS HAVE BEEN THE STUDIES ON VARIOUS ASPECTS OF ANATOMY AND MORPHOLOGY OF VASCULAR PLANTS OF THE PRAIRIES. MORPHOLOGICAL STUDIES INCLUDE LIFE-HISTORIES OF PLANTS, ESPECIALLY OF SOME SELECTED PRAIRIE WEED SPECIES, SUCH AS LEAFY-SPURGE (EUPHORBIA-ESULA-L.), WILD OATS (AVENA-FATUA-L.), ETC.

MOSS

BECKETT PJ : MOSS, LICHEN & MACROFUNGI AS BIOMONITORS OF ECOSYSTEM METAL BURDENS; GEOBOTANICAL-PROSPECTING EFFECTS OF METALS ON TERRESTRIAL-ECOSYSTEMS. RESTORATION OF ACID, METAL STRESSED LAND.

TIMS AJS : ACID-PRECIPITATION MONITORING; PROVINCIAL NETWORK DATA. OZONE MONITORING USING BIOMONITORS. LICHEN & MOSS BIOASSIMILATION OF TRACE-METALS & POLLUTANTS. RESPONSE TO PUBLIC COMPLAINTS OF AIR-POLLUTION INJURY TO VEGETATION.

MOSSES

IRELAND RR : TAXONOMY OF THE MOSSES, THE DICRANACEAE, HYPNACEAE, PLAZIOTHECIACEAE & STEREOPHYLLACEAE.

ROBITAILLE G : EFFECTS OF PRIMARY & SECONDARY AIR-POLLUTANTS INCLUDING ACID-RAIN ON FORESTS, SOILS, LICHENS & MOSSES; NUTRIENT CYCLING IN FOREST-ECOSYSTEMS; BIOGEOCHEMICAL CYCLES; BIOMONITORING; TREE-RING ANALYSIS IN RELATION TO POLLUTION.

MOTHS

SANDERS CJ : BEHAVIOUR OF MOTHS IN RESPONSE TO SEX PHEROMONES AND IN DISPERSAL; ALSO ON INSECT POPULATION DYNAMICS. DEVELOPMENT OF INSECT MONITORING SYSTEMS (TRAPPING) AND POPULATION REGULATIONS (DISRUPTION OF MATING) USING SEX PHEROMONES.

MOULD

DAY JH : INDOOR-AIR QUALITY; MOULD, FORMALDEHYDE & OTHER REACTANTS AND HUMAN HEALTH.

MOULT

RETNAKARAN A : INSECT PHYSIOLOGY: GROWTH & DEVELOPMENT (INSECT HORMONES & INSECT GROWTH REGULATORS). DEVELOPMENT OF HORMONE ANALOGS, MOULT INHIBITORS & CHITIN SYNTHESIS INHIBITORS AS CONTROL AGENTS FOR FOREST-INSECT PESTS. STUDY OF CHITIN SYNTHESIS & BIOCHEMISTRY OF THE SYNTAETIC STEPS. ELECTRON MICROSCOPY, AUTORADIOGRAPHY & CELLULAR LOCALIZATION OF THE CHITIN SYNTHESIS PROCESS.

MUDS

MACKNIGHT SD : IMPACTS OF DREDGING AND DREDGED MATERIAL DISPOSAL DISPOSAL OF DRILLING MUDS AND FLUIDS; DISPOSAL IN OCEANS; ESTUARINE CHEMISTRY; CHEMICAL OCEANOGRAPHY; BIOAVAILABILITY OF METALS; SEDIMENT WATER INTERACTIONS.

MULCHES

MAURER AR : EXTENSION OF THE VEGETABLE GROWING SEASON BY: SELECTION OF COLD TOLERANT CULTIVARS; OVERWINTERING OF CROPS IN THE FIELD AND USE OF CROP PROTECTANTS SUCH AS FLOATING MULCHES, PLASTIC-TUNNELS ETC.

MUNICIPAL

BAKER JR : ENGINEERING & CONSTRUCTION OF FLUIDIZED RATION BED INCINERATION ("SUPERBURN" PROCESS) FOR MUNICIPAL & INDUSTRIAL-WASTE SYSTEMS ARE HIGHLY EFFICIENT, WITH LITTLE OR NO ENVIRONMENTAL-CONTAMINATION.

BARLISHEN WJ : RESEARCH, ANALYSIS OF CONSUMPTIVE WATER-USE (AGRICULTURAL, INDUSTRIAL, MUNICIPAL) IN ALBERTA. ECONOMIC ANALYSIS OF QUANTIFIABLE & NON QUANTIFIABLE BENEFIT-COST-ANALYSIS OF WATER-RESOURCE DEVELOPMENT & MANAGEMENT IN ALBERTA.

BIRKBECK AE : CHARACTERISATION & TREATMENT OF LANDFILL LEACHATE, ODOUR CONTROL AT LANDFILLS. INDUSTRIAL & MUNICIPAL WASTEWATER-TREATMENT, RECLAMATION & RECIRCULATION FOR FISH HATCHERIES. DESIGN & EVALUATION OF SMALL DISINFECTION UNITS, CHLORINE, OZONE & ULTRAVIOLET.

CHANDLER RL : GROUNDWATER CONTAMINATION FROM UNDERGROUND PETROLEUM STORAGE TANKS & INDUSTRIAL SOURCES. SITING & DESIGN OF MUNICIPAL OR INDUSTRIAL WASTEWATER STORAGE-PONDS.

MUNICIPAL

GOYETTE DE : MARINE ENVIRONMENTAL-IMPACT-ASSESSMENT AND POLLUTION-CONTROL; INDUSTRIAL AND MUNICIPAL DISCHARGES, PACIFIC COAST. SPECIFIC STUDIES ON THE PHYSICAL, CHEMICAL AND BIOLOGICAL IMPACTS OF MINE-TAILINGS AND EFFLUENTS FROM PULP-MILLS; TISSUE TRACE-METALS; MONITORING AND REGULATION COMPLIANCE; ENVIRONMENTAL-IMPACT-ASSESSMENT; PORT & HARBOURS; BIOLOGICAL EFFECTS OF ORGANIC CONTAMINANTS AND URBAN WASTES.

KHAN AW : ANAEROBIC CONVERSION OF CELLULOSIC WASTE OBTAINED FROM FORESTRY, AGRICULTURE, FARM, PAPER AND FOOD INDUSTRY AS WELL AS INDUSTRIAL AND MUNICIPAL SOLID-WASTE, TO FUELS AND CHEMICAL FEED STOCK.

LUTWICH G : LAND SPREADING OF MUNICIPAL SEWAGE & INDUSTRIAL-WASTES; INVOLVING BIOLOGICAL TESTING OF WASTES FOR APPLICATION TO LAND.

MITCHELL H : WATER AND WASTE-TREATMENT. MUNICIPAL AND INDUSTRIAL PROCESSES.

ODA A : PREPARE GUIDELINES FOR TREATMENT & DISPOSAL OF SOLID ORGANIC-WASTES ON AGRICULTURAL LANDS. DEVELOP EXPERTISE ON WASTE-MANAGEMENT TECHNIQUES RELATED TO PHYSICAL & CHEMICAL TREATMENT, SOLIDIFICATION, MEMBRANE SEPARATION ETC. INVESTIGATE METHODS FOR THE MANAGEMENT OF LEACHATE FROM MUNICIPAL LANDFILL SITES.

RIPPON RE : HYDROLOGICAL SITE INVESTIGATIONS FOR DEVELOPMENT OF MUNICIPAL SOLID-WASTE DISPOSAL SITES.

TREW DO : SURFACE-WATER QUALITY MANAGEMENT IN ALBERTA. LOCALIZED IMPACT-ASSESSMENT, GENERAL SURVEY PROGRAMS. MAINTENANCE OF LONG TERM MONITORING STATIONS. WATER-QUALITY ISSUES INCLUDE: EUTROPHICATION, ACIDIC DEPOSITION, IMPACTS FROM MUNICIPAL EFFLUENTS, INDUSTRIAL-EFFLUENTS & RESOURCE EXTRACTION. RIVER BASIN PLANNING; LAKE MANAGEMENT PLANNING.

MUTAGENESIS

DOUGLAS GR : GENETIC TOXICOLOGY. MUTAGENESIS, GENETIC MONITORING OF HUMAN POPULATION. APPLICATION OF GENETIC TOXICOLOGY DATA IN REGULATION OF CHEMICALS. WORLD HEALTH ORGANIZATION COLLABORATION CENTRE ON ENVIRONMENTAL-MUTAGENESIS.

MUTAGENIC

STAVRIC B : MUTAGENS (TOXICANTS) IN FOODS: NATURALLY OCCURING OR INTRODUCED THROUGH MAN-MADE AGRICULTURAL CHEMICALS. BIO-ANALYTICAL PROCEDURES IN INTERPHASING STANDARD CHEMICO-ANALYTICAL METHODS WITH BIOASSAYS FOR DETECTING TOXIC (MUTAGENIC) COMPONENTS OF METABOLICS IN COMPLEX MATRICES (FOODS).

MUTAGENICITY

KHACHATOURIANS GG : ASSESSMENT OF MICROBIAL TOXINS FOUND IN THE ENVIRONMENT. WORK ON MYCOTOXINS T-2, VOMITOXIN, BACILLUS THURINGIENSIS, DELTA TOXIN & ENTEROTOXINS ON INVERTEBRATES IN NATURAL ENVIRONMENTS. ANALYSIS OF POTENTIAL ENVIRONMENTAL TOXICANTS BY MICROBIAL MUTAGENICITY TESTS. EPIDEMIOLOGY OF ENTEROTOXIGENIC E.-COLI IN HUMAN & ANIMAL ENVIRONMENTS. PERSISTANCE OF MICROBIAL INSECTICIDES IN THE AGRICULTURAL ENVIRONMENT.

LEE EGH : MUTAGENICITY OF ENVIRONMENTAL-CONTAMINANTS INVESTIGATED USING THE AMES-SALMONELLA-ASSAYS. FISH DISEASE DIAGNOSTIC SERVICES FOR BACTERIAL KIDNEY DISEASE & INFECTIOUS HEMATOPOIETIC-NECROSIS TEST. BIOPOLYMER PRODUCTION FROM METHANOL FERMENTATION.

MUTAGENS

STAVRIC B : MUTAGENS (TOXICANTS) IN FOODS: NATURALLY OCCURING OR INTRODUCED THROUGH MAN-MADE AGRICULTURAL CHEMICALS. BIO-ANALYTICAL PROCEDURES IN INTERPHASING STANDARD CHEMICO-ANALYTICAL METHODS WITH BIOASSAYS FOR DETECTING TOXIC (MUTAGENIC) COMPONENTS OF METABOLICS IN COMPLEX MATRICES (FOODS).

MUTATION

TOMKINS DJ : OCCUPATIONAL AND ENVIRONMENTAL GENETIC TOXICOLOGY DEVELOPMENT OF SEVERAL GENETIC MEASURES INCLUDING CYTOGENETIC AND SINGLE GENE MUTATION; ASSESSMENT OF MEASURES FOR POPULATION MONITORING.

MYCOLOGIE

OUELLETTE GB : PATHOLOGIE VEGETALE (SPECIALITE FORESTIERE): FLETRISSEMENTS-FONGIQUES (ORME, TOMATE, AUBERGINE). RELATIONS HOTE-PATHOGENE AU MOYEN: TECHNIQUES MICROSCOPIE ELECTRONIQUE (TRANSMISSION ET BALAYAGE ET MICROANALYSE) & IMMUNOCYCYTOCHIMIQUES. DETECTION DE SUBSTANCES ANTIFONGIQUES OU TOXIQUES. MYCOLOGIE.

MYCOLOGY

ABRAMSON D : MYCOTOXINS IN STORED CEREALS & OILSEEDS: DEVELOPMENT MYCOLOGY, METHODS OF ANALYSIS; MYCOTOXIN METABOLISM IN LIVESTOCK; FUNGAL ODOUR ANALYSIS; MASS-SPECTROMETRY OF MYCOTOXINS & RELATED METABOLITES.
KENDRICK WB : MYCOLOGY, ESPECIALLY MOLDS (HYPHOMYCETES). SYSTEMATICS, ECOLOGY, DEVELOPMENT.

MYCOTIC

MANKIEWICZ E : MICROBACTERIA: DIAGNOSIS OF INFECTIONS, TREATMENT, CLASSIFICATION OF MICROORGANISMS, PHAGETYPING FUNGI: DEEP MYCOTIC INFECTIONS. SEXUALLY-TRANSMITTED DISEASES: ORGANIZATION OF OUT PATIENT CLINICS, MICROBIOLOGICAL DIAGNOSIS, TREATMENT, PREVENTION (TEACHING).

MYCOTOXIN

ABRAMSON D : MYCOTOXINS IN STORED CEREALS & OILSEEDS: DEVELOPMENT MYCOLOGY, METHODS OF ANALYSIS; MYCOTOXIN METABOLISM IN LIVESTOCK; FUNGAL ODOUR ANALYSIS; MASS-SPECTROMETRY OF MYCOTOXINS & RELATED METABOLITES.
YOUNG JC : RESEARCH IN THE INCIDENCE, NATURE, CAUSES AND CONSEQUENCES OF MYCOTOXIN RELATED PROBLEMS CAUSED BY FUNGI.

MYCOTOXINS

ABRAMSON D : MYCOTOXINS IN STORED CEREALS & OILSEEDS: DEVELOPMENT MYCOLOGY, METHODS OF ANALYSIS; MYCOTOXIN METABOLISM IN LIVESTOCK; FUNGAL ODOUR ANALYSIS; MASS-SPECTROMETRY OF MYCOTOXINS & RELATED METABOLITES.
COTE LM : RESEARCH ON METABOLISM AND MODE OF ACTION OF MYCOTOXINS ESPECIALLY DEOXYNIVALENOL. SIMILAR WORK WITH PYRETHOIDS.
DESCHENES JM : DEVELOPMENT OF CROP PLANTS VIA CONVENTIONAL & BIOTECHNOLOGICAL BREEDING TECHNIQUES. PLANT SUPPORT PROGRAMS IN STRESS PHYSIOLOGY PROTECTION, NITROGEN FIXATION & MYCOTOXINS.
KHACHATOURIANS GG : ASSESSMENT OF MICROBIAL TOXINS FOUND IN THE ENVIRONMENT. WORK ON MYCOTOXINS T-2, VOMITOXIN, BACILLUS THURINGIENSIS, DELTA TOXIN & ENTEROTOXINS ON INVERTEBRATES IN NATURAL ENVIRONMENTS. ANALYSIS OF POTENTIAL ENVIRONMENTAL TOXICANTS BY MICROBIAL MUTAGENICITY TESTS. EPIDEMIOLOGY OF ENTEROTOXIGENIC E.-COLI IN HUMAN & ANIMAL ENVIRONMENTS. PERSISTANCE OF MICROBIAL INSECTICIDES IN THE AGRICULTURAL ENVIRONMENT.
SCOTT PM : MYCOTOXINS; ANALYTICAL METHODS, EFFECTS OF FOOD-PROCESSING ON MYCOTOXINS & ISOLATION FROM FUNGI. DEOXYNIVALENOL (VOMITOXIN) & OTHER TRICHOTHECENES FROM FUSARIUM SPECIES; MYCOTOXINS FROM FUSARIUM-MONILFORME.
TRENHOLM HL : TOXICOLOGY OF MYCOTOXINS IN ANIMAL FEEDS FOR LIVESTOCK AND POULTRY. METABOLISM OF MYCOTOXINS. DETOXIFICATION OF NATURAL CONTAMINANTS & TOXIC RESIDUES IN ANIMAL PRODUCTS.

MYRIAPODS

KEVAN DK : BIOSYSTEMATICS AND ECOLOGY OF ORTHOPTEROID INSECTS (LOCUSTS. GRASSHOPPERS. CRICKETS. COCKROACHES. TERMITES AND NEUROPTEROID INSECTS (LACEWING-FLIES) SOIL FAUNA STUDIES (ECOLOGY OF MICROARTHROPODS) AND MYRIAPODS RELEVANCE OF ENTOMOLOGICAL FOLKLORE AND CUSTOMS TO SCIENTIFIC ENTOMOLOGY.

MYRIOPHYLLUM

AIKEN SG : AQUATIC PLANTS IN CANADA (WILD-RICE, ZIZANIA & WATER MILFOIL, MYRIOPHYLLUM) GRASSES, ESPECIALLY FESTUCA, IN NORTH AMERICA. COMPUTER GENERATION OF TAXONOMIC KEYS & DESCRIPTIONS IN FRENCH & ENGLISH. BEGINNING WORK ON THE FLORA OF THE CANADIAN HIGH ARCTIC ISLANDS.

NARCOTICS

ELIAS L : DETECTION OF TRACE-VAPOURS AND GASES IN ATMOSPHERE. MEASUREMENT OF AIRBORNE EXPLOSIVES, NARCOTICS, PESTICIDES AND FLUOROCARBONS BY PRECONCENTRATION GAS-CHROMATOGRAPHY.

NATURAL-GAS

CREPIN J : PHYTOTOXIC EFFECTS OF HAZARDOUS-WASTES GENERATED BY THE OIL & NATURAL-GAS INDUSTRIES. CHEMICAL CHARACTERIZATION OF THESE WASTES. RECLAMATION OF WASTE TREATED SITES.
FARKAS EJ : NATURAL-GAS TRANSMISSION BY PIPELINE, NATURAL-GAS METERING AT HIGH PRESSURE, USE OF NATURAL-GAS AS A MOTOR-VEHICLE FUEL; SOLID, LIQUID, AND NUCLEAR-WASTE MANAGEMENT; AIR AND WATER-POLLUTION, ION-EXCHANGE.

NATURAL-GAS

MEISEN A : NATURAL-GAS PROCESSING. SULPHUR PRODUCTION, FORMING & HANDLING. PETROCHEMICALS MANUFACTURE.
PARKS FJ : NATIONAL TRADE ORGANIZATION (SINCE 1907) INCLUDES CORPORATE & INDIVIDUAL MEMBERS COVERING COMPLETE NATURAL-GAS INDUSTRY SPECTRUM. MEMBERSHIP DRAWN FROM GAS RESOURCE COMPANIES, DISTRIBUTION & TRANSPORTATION COMPANIES & MANUFACTURERS OF GAS APPLIANCES & EQUIPMENT.
TOUGH G : MANUFACTURE, DISTRIBUTION AND SERVICING OF FLOW MEASUREMENT PRODUCTS & SYSTEMS FOR RESOURCE MANAGEMENT OF FLUIDS SUCH AS WATER, PETROLEUM PRODUCTS, CHEMICALS, SLURRIES AND NATURAL-GAS.

NATURAL-RESOURCE

SANDILANDS RW : FIELD SURVEYS: OPERATIONS IN BRITISH-COLUMBIA COAST, WESTERN ARCTIC. MARITIME HISTORY: BRITISH-COLUMBIA, WESTERN ARCTIC & GREAT-LAKES. TOPONOMY IN COASTAL BRITISH-COLUMBIA. NATURAL-RESOURCE CHARTING; SURVEY POSITIONING; OFFSHORE MINERAL RESOURCE DEVELOPMENT.
THOMPSON JP : NATURAL-RESOURCE ECONOMICS (SPECIFICALLY THE SHADOW PRICING OF BIOPHYSICAL IMPACT INFORMATION FOR USE IN BENEFIT-COST-ANALYSIS), SOCIO-ECONOMIC IMPACT-ASSESSMENT, ECONOMIC FEASIBILITY STUDIES, RECREATION INVENTORY STUDIES.

NATURAL-RESOURCES

BOORMAN RS : RPC UNDERTAKES PROBLEM SOLVING RESEARCH & SERVICE WORK FOR INDUSTRY RELATING TO ENERGY, THE ENVIRONMENT, MATERIALS & INDUSTRIAL PRODUCTS, PROCESSES & NATURAL-RESOURCES.
HUGHES CJ : A GEOLOGIST'S PERSPECTIVE OF THE HUMAN PREDICAMENT (BOOK). ISSUES ADDRESSED INCLUDE: THE EFFECT OF RESEARCH AND TECHNOLOGY ON THE ENVIRONMENT; SOCIAL RESPONSIBILITY OF THE SCIENTIFIC COMMUNITY, NUCLEAR ENERGY AND THE MANAGEMENT OF OUR NATURAL-RESOURCES.
KESIK AB : GEOMORPHOLOGICAL & HYDROLOGICAL SURVEY AND MAPPING. REMOTE-SENSING OF NATURAL-RESOURCES. TERRAIN EVALUATION.
LORBERG EF : ANALYSIS OF PROPOSED SCHEMES FOR DISPOSAL OF LIQUID-WASTE INTO DEEP FORMATIONS, WESTERN SEDIMENTARY BASIN WITH RESPECT TO CONSERVATION OF NATURAL-RESOURCES, MAINLY GROUNDWATER AND PROTECTION OF THE ENVIRONMENT.
PEARSE PH : SPECIALIST IN THE ECONOMICS OF NATURAL-RESOURCES. WRITING RELATED TO GOVERNMENT POLICY ON MANAGEMENT OF RENEWABLE-RESOURCES (IN PARTICULAR, FORESTS, FISHERIES, & WATER-RESOURCES). CONSULTANT ON NATURAL-RESOURCES POLICY TO FOREIGN & CANADIAN GOVERNMENT. PROFESSOR OF FORESTRY; PROJECT LEADER: FOREST ECONOMICS & POLICY ANALYSIS PROJECT. FORMERLY: COMMISSIONER OF TWO MAJOR ROYAL COMMISSIONS OF INQUIRY ON RESOURCE POLICY (BRITISH-COLUMBIA FOREST RESOURCES & PACIFIC FISHERIES); CHAIRMAN OF PUBLIC INQUIRY ON FEDERAL WATER POLICY.

NATURALIST

SIMKIN D : WILDLIFE ADMINISTRATION, POLICY AND PROGRAM DEVELOPMENT, RESEARCH AND TECHNOLOGY TRANSFER, LEGISLATION, ENFORCEMENT, USER TRAINING (FIREARM SAFETY, HUMANE-TRAP DEVELOPMENT, TEACHING, NATURALIST TRAINING), ORGANIZATIONAL STRATEGIES, COMMUNICATION WITH PUBLIC.

NAVICULA

POULIN M : ETUDE TAXONOMIQUE PORTANT SUR LES DIATOMEES (BACILLARIOPHYCEAE) MARINES ET ESTUARIENNES DE L' EST DU CANADA. REVISION TAXONOMIQUE DES DIATOMEES ASSOCIEES AUX GLACE DE MER DE L' ARCTIQUE CANADIEN. ETUDE DU GENRE NAVICULA ET DE SES REPRESENTANTS EN SECTEUR CANADIEN.

NEIGE

BOUCHARD R : CARTOGRAPHIE DES PARAMETRES ENVIRONNEMENTAUX DE L' ELEVAGE DU PORC A PARTIR D'UN SYSTEME D' INFORMATION A REFERENCE SPATIALE. CLASSIFICATION GENETIQUE DES CLIMATS DU SAGUENAY, LAC-ST-JEAN. L' AGRICULTURE A SAINTE-CATHERINE DE PORTNEUF: POLLUTANT DES SOURCES D' EAU-POTABLE. LES DEPOTOIRS DE NEIGE USEE DE CHICOUTIMI.
FORTIN JP : HYDROLOGIE; HYDROMETEOROLOGIE; PRECIPITATION; PLUIE; NEIGE; RUISSELLEMENT; DEBIT; ECOULEMENT; PHYSIOGRAPHIE; RIVIERE; BASSIN VERSANT; CRUE; INONDATION; TELEDETECTION EAU; SATELLITE EAU; INTEGRATION DES DONNEES; STATISTIQUE HYDROLOGIE; GESTION-EAU; PLANIFICATION-EAU; PREVISION EAU; DECISION EAU; PROTECTION EAU; CONTROLE-EAU; MODELE HYDROLOGIQUE; CEQUEAU MODELE; MODELE DETERMINISTE MAILLE-CARREAU; MODELE D AJUSTEMENT; PREVISION HYDROLOGIQUE; PREVISION ECOULEMENT; PREVISION TEMPS REEL; RESEAU HYDROLOGIQUE; PLUVIOMETRE; RADAR HYDROLOGIE; STATION-PLUVIOMETRIQUE; RESEAU RADAR METEOROLOGIE; PRECIPITATIONS-ACIDES; POLLUANTS-ATMOSPHERIQUES; TRANSPORT-A-LONGUE-DISTANCE; MODELE STATISTIQUE; DIFFUSION UNIDIMENSIONNEL; ANISOTROPIE-SPATIALE.

NERVOUS-SYSTEM

ALLY AI : CARDIOVASCULAR PHARMACOLOGY & TOXICOLOGY: EFFECTS OF ORGANIC METALS ON CARDIAC, BLOOD VESSEL & PLATELET FUNCTION, EMPHASIS ON MECHANISMS OF ACTION: EFFECTS OF NATURAL & MAN-MADE ORGANIC-COMPOUNDS ON PERIPHERAL SYMPATHETIC NERVOUS-SYSTEM & ON CICOSANOID & LEUKOTRIENE-BIOSYNTHESIS & FUNCTION. NEUROCHEMICAL CHARACTERIZATION OF EFFECTS ON CENTRAL NERVOUS-SYSTEM WITH FOCUS ON BIOGENIC AMINES.

NEUROCHEMICAL

ALLY AI : CARDIOVASCULAR PHARMACOLOGY & TOXICOLOGY: EFFECTS OF ORGANIC METALS ON CARDIAC, BLOOD VESSEL & PLATELET FUNCTION, EMPHASIS ON MECHANISMS OF ACTION: EFFECTS OF NATURAL & MAN-MADE ORGANIC-COMPOUNDS ON PERIPHERAL SYMPATHETIC NERVOUS-SYSTEM & ON CICOSANOID & LEUKOTRIENE-BIOSYNTHESIS & FUNCTION. NEUROCHEMICAL CHARACTERIZATION OF EFFECTS ON CENTRAL NERVOUS-SYSTEM WITH FOCUS ON BIOGENIC AMINES.

NEUROTOXICOLOGY

LAHAM S : INHALATION TOXICOLOGY (INDUSTRIAL/OCCUPATIONAL/ ENVIRONMENTAL). METABOLISM OF TOXIC AND CARCINOGENIC SUBSTANCES. PRODUCT SAFETY TOXICOLOGY. INDOOR-AIR QUALITY TOXICOLOGY. CHEMICAL CARCINOGENESIS. NEUROTOXICOLOGY.

NEUROTRANSMITTERS

HOLDWAY DA : FISH-TOXICOLOGY: CHRONIC & ACUTE EFFECTS OF PESTICIDES (METHOXYCHLOR, PERMETHRIN), HERBICIDES (GLYPHOSATE), & METALS (VANADIUM) ON SURVIVAL, GROWTH & REPRODUCTION OF FLAGFISH & WHITE SUCKERS; EFFECTS ON BRAIN NEUROTRANSMITTERS & BIOENERGETICS. DEVELOPED TECHNIQUE FOR MEASURING DIMETHYL-SULFIDE AT PARTS PER TRILLION LEVELS IN FRESHWATER.

NEUTRON

JURY JW : INVESTIGATION OF RADON GAS IN NATURAL WATERS. TRACE-ELEMENT ANALYSIS USING PHOTON & NEUTRON ACTIVATION TECHNIQUES. PHOTON SPECTROSCOPY (GAMMA-RAYS). RADIATION IMAGING & MONITORING.

NEW-BRUNSWICK

DICKISON RBB : CHANGES IN WATER AND ENERGY BALANCES, STREAMFLOW REGIME AND SNOW-COVER AFTER FOREST HARVESTING ARE BEING RESEARCHED AS PART OF THE NASHWAAK EXPERIMENTAL WATERSHED PROJECT. THE INFLUENCE OF LOW-LEVEL TEMPERATURE INVERSIONS AND LAPSE RATES ON THE EFFICACY OF AERIAL SPRAYS ARE BEING STUDIED IN CONJUNCTION WITH THE NEW-BRUNSWICK SPRAY EFFICACY RESEARCH GROUP.
HINDS HR : IDENTIFICATION AND DISTRIBUTION OF NEW-BRUNSWICK VASCULAR PLANTS. INVENTORY & PROTECTION OF SIGNIFICANT NATURAL AREAS IN NEW-BRUNSWICK. RARE & ENDANGERED-PLANTS (VASCULAR) IN NEW-BRUNSWICK.
REES HW : LAND RESOURCE INVENTORIES IN NEW-BRUNSWICK. IDENTIFICATION, DESCRIPTION & DELINEATION ON MAPS OF CONTRASTING SEGMENTS OF THE LANDSCAPE BASED ON DIFFERENTIATING CRITERIA AS REQUIRED FOR VARIOUS LAND USES.
RIDING RT : CHAIRMAN, UNIVERSITY OF NEW-BRUNSWICK, DEPT. OF BIOLOGY: ZOOLOGY, MICROBIOLOGY, BOTANY.

NEWFOUNDLAND

AKSU A E : PALEOCLIMATIC AND OCEANOGRAPHIC EVOLUTION OF THE LABRADOR-SEA AND BAFFIN-BAY DURING THE LAST 25 MA ODP (LEG 105) ARCTIC OCEAN CHRONOSTRATIGRAPHY. SEISMIC STRATIGRAPHY OF SMALL DELTAS IN MICROTIDAL SETTING (AEGEAN-SEA). SEDIMENTOLOGY AND GEOCHEMISTRY OF SALINE AND BITTER LAKES IN ANATOLIA. AMINO-ACID EPIMERIZATION IN FORAMINIFERA. SEDIMENTOLOGY AND SEISMIC STRATIGRAPHY OF FIORDS AND BAYS AROUND NEWFOUNDLAND. SEDIMENTOLOGY OF SHELF BASINS, SLOPE AND RISE TRANSITION.

NIAGARA-FRUIT-BELT

KRUEGER RR : URBANIZATION OF FRUITLANDS (OKANAGAN-VALLEY, BRITISH-COLUMBIA & NIAGARA-FRUIT-BELT). RESPONSE OF QUEBEC ORCHARD-INDUSTRY TO LOW TEMPERATURE HAZARD.

NICKEL

BOYLE RW : GEOCHEMISTRY: OF PRECIOUS METALS (AU, AG, PT); OF ARSENIC, ANTIMONY AND BISMUTH AND OF NICKEL AND COBALT IN ROCKS, SOIL AND NATURAL-WATERS.
HEALE EL : DEVELOPMENT OF WOODY TREES AND SHRUBS ON TAILINGS; TRACE-ELEMENTS (ESPECIALLY NICKEL AND COPPER). EFFECTS ON VEGETATION; EXPERIMENTS UTILIZING WASTE GEOTHERMAL HEAT ENERGY FOR THE PRODUCTION OF GREENHOUSE VEGETABLE AND FORESTRY CROPS; INVESTIGATION, NEGOTIATION AND SETTLEMENT OF CLAIMS FOR VEGETATION DAMAGE.
HUTCHINSON TC : ACID-RAIN STUDIES OF TERRESTRIAL-ECOSYSTEMS, HEAVY-METAL TOXICITY TO PLANTS AND ALGAE, ECOTOXICOLOGY OF NICKEL, COPPER, LEAD. EFFECTS OF SMELTERS. OIL-SPILL AND HYDROCARBON TOXICITY RESEARCH. ARCTIC AND BOREAL AREAS.

NIGHTHAWKS

MCNICHOLL MK : ORNITHOLOGY. ECOLOGICAL & BEHAVIOURAL ASPECTS OF BIRD BIOLOGY. BREEDING BIOLOGY & ECOLOGY OF FORSTER'S-TERNS & OTHER MARSH NESTING SPECIES. SOCIAL ORGANIZATION AND BEHAVIOUR OF BLUE-GROUSE. NESTING STUDIES OF COMMON NIGHTHAWKS.

NITRATE

CHOW YL : NITRITE NITRATE CHAINS IN FOOD SYSTEM AND ENVIRONMENT. CHLORINATED-ORGANIC-COMPOUNDS IN ENVIRONMENT. RESEARCH ON FORMATION PATTERNS & DESTRUCTIONS.
SEN NP : ANALYSIS, OCCURRENCE & FORMATION OF NITRATE, NITRITE & N-NITROSO-COMPOUNDS BOTH VOLATILE & NONVOLATILE IN FOODS. RESEARCH IN PHARMACOLOGICALLY ACTIVE AMINES IN FOODS; NITROSATABLE AMINES IN FOOD PACKAGING MATERIALS.

NITRIC-OXIDES

ENGLISH M : DETERMINATION THROUGH AIRCRAFT MEASUREMENTS OF THE TRANSPORT, DIFFUSION & TRANSFORMATION RATES OF SULPHUR & NITRIC-OXIDES EMITTED FROM OIL-SANDS EXTRACTION PLANTS IN NORTHERN ALBERTA. STUDY OF THE EFFECT OF URBAN AIR-QUALITY ON VISIBILITY.

NITRIFICATION

GANCZARCZYK JJ : APPLICATION OF ACTIVATED SLUDGE PROCESS FOR TREATMENT OF SEWAGE & INDUSTRIAL-EFFLUENTS, INHIBITION OF NITRIFICATION, PHYSICAL BEHAVIOUR OF BIOLOGICAL FLOCS, ROLE OF SOLID SURFACE IN SUSPENDED GROWTH TREATMENT, ESTIMATION OF BIOMASS PRODUCTION & HAZARDOUS WASTE-TREATMENT & DISPOSAL.
KNOWLES R : MICROBIOLOGICAL NITROGEN TRANSFORMATIONS IN THE ENVIRONMENT, INCLUDING N2-FIXATION, NITRIFICATION, DENITRIFICATION OF N OXIDES. AQUATIC AND TERRESTRIAL SYSTEMS.

NITROGEN

DESCHENES JM : DEVELOPMENT OF CROP PLANTS VIA CONVENTIONAL & BIOTECHNOLOGICAL BREEDING TECHNIQUES. PLANT SUPPORT PROGRAMS IN STRESS PHYSIOLOGY PROTECTION, NITROGEN FIXATION & MYCOTOXINS.
JONES PH : STUDY, DESIGN AND OPERATION OF BIOLOGICAL WASTEWATER-TREATMENT, SOLID-WASTE MANAGEMENT, TOXIC AND HAZARDOUS-CHEMICALS, CHEMICAL-ACCIDENTS, ENVIRONMENTAL HEALTH IMPACT-ASSESSMENT. BIOLOGICAL REMOVAL ON PHOSPHORUS AND NITROGEN.
JORDAN DC : BIOLOGICAL NITROGEN FIXATION REGARDING RHIZOBIA LEGUMINOUS PLANT ASSOCIATION. SYSTEMATICS OF RHIZOBIUM AND BRADYRHIZOBIUM. CARBON-DIOXIDE FIXATION BY RHIZOBIA. POWDER TYPE LEGUME INOCULANTS.
KNOWLES R : MICROBIOLOGICAL NITROGEN TRANSFORMATIONS IN THE ENVIRONMENT, INCLUDING N2-FIXATION, NITRIFICATION, DENITRIFICATION OF N OXIDES. AQUATIC AND TERRESTRIAL SYSTEMS.
MACKO SA : NITROGEN GEOCHEMISTRY OF MARINE SEDIMENTS AND PETROLEUM; EARLY DIAGENESIS OF ORGANIC MATTER; RESOLUTION OF FOOD-WEBS & ORIGINS OF STROMATOLITES THROUGH STABLE ISOTOPE ANALYSIS; KINETIC-ISOTOPIC FRACTIONATION OF ORGANIC AND INORGANIC SUBSTRATES.
NYBORG M : RESEARCH ON SULPHUR-DEPOSITION BY WET & DRY DEPOSITION; FALL OUT OF ACIDIFICATION OF SOIL BY NITROGEN FERTILIZERS & LIMING OF SOILS.
ROSLYCKY EB : IMPACT OF HERBICIDES AND OTHER PESTICIDES ON SOIL MICROFLORA IN RELATION TO BASIC SOIL PHYSIOLOGICAL PROCESSES, INCLUDING NITROGEN FIXATION, SOIL FERTILITY, PESTICIDE ACCUMULATION, RESIDUE FORMATION AND EFFECTS OF VARIOUS AMENDMENTS, INCLUDING BIOTIC ON ITS BREAKDOWN.
SCHNITZER M : CHEMISTRY & REACTIONS OF HUMIC-SUBSTANCES IN SOILS. CHEMICAL COMPOSITION & STRUCTURE OF NITROGEN COMPOUNDS IN SOILS & THEIR EFFECTS ON PLANT GROWTH & ON THE ENVIRONMENT.

NOISE

FORCIER A : WATER TESTING; AIR SAMPLE ANALYSIS; ACOUSTICAL LAB AND FIELD TESTING; NOISE CONTROL AND ABATEMENT.
FOREMAN JEK : MEASUREMENT (LONG TERM) & STATISTICAL-ANALYSIS OF NOISE FROM HIGH-VOLTAGE TRANSMISSION LINES AND TRANSFORMER STATIONS; PSYCHOACOUSTIC RESPONSE OF PEOPLE TO THIS NOISE BY PLAY-BACK OF TAPES IN LISTENING ROOM.
KARIEL HG : NOISE IN OUTDOOR RECREATIONAL ENVIRONMENTS; ENVIRONMENTAL PERCEPTION, SOCIO-CULTURAL AND ENVIRONMENTAL CHANGE ASSOCIATED WITH TOURISM; DIFFUSION OF IDEAS AND ARTIFACTS.
KOCELA RJ : NON-PROFIT CORPORATION AT UNIVERSITY OF WINDSOR CONTRACT RESEARCH: AIR-POLLUTION MEASUREMENT & CONTROL; HYDRAULIC & HYDRODYNAMIC-MODELLING; NOISE & VIBRATION STUDIES & CONTROL; TOXICOLOGY.
KRISHNAPPA G : MEASUREMENT OF SOUND POWER & SOUND INTENSITY OF MACHINERY NOISE SOURCE. RESEARCH IS RELATED TO USING SOUND INTENSITY MEASUREMENTS IN MACHINERY NOISE MEASUREMENTS.
MCCONACHIE CEB : NOISE IMPACT OF AIRCRAFT OPERATION. AIR-POLLUTION DUE TO AIRCRAFT OPERATIONS AT AIRPORTS. MASTER PLANS FOR INTERNATIONAL AIRPORTS FOR JAKARTA, INDONESIA AND CUZCO, PERU. FEASIBILITY STUDY FOR INTERNATIONAL AIRPORT FOR ISLAMABAD, PAKISTAN. ENVIRONMENTAL IMPACT OF STOL OPERATIONS IN MONTREAL AND OTTAWA.
SAINTSBURY JA : GAS TURBINE COMBUSTION AND EMISSIONS. RESEARCH AND DEVELOPMENT OF SIMPLE AUTOMOBILE GAS TURBINE COMBUSTORS FOR LOW EMISSIONS. DESIGNING SMALL GAS TURBINE ENGINES FOR LOW NOISE AND CLEAN EXHAUST. ATMOSPHERIC TEST OF A VARIABLE GEOMETRY COMBUSTION FOR LOW EMISSIONS. EMISSIONS RESEARCH ON A SIMPLE VARIABLE GEOMETRY GAS TURBINE COMBUSTOR.
SMYTHE LA : GENERAL ENVIRONMENTAL STUDIES RELATED TO AQUATIC-BIOLOGY, TERRESTRIAL-ECOLOGY, AIR-QUALITY, WATER-QUALITY AND NOISE.
WARNOCK ACC : SOUND TRANSMISSION OF ABSORPTION OF BUILDING SYSTEMS & MATERIALS. NOISE & VIBRATION CRITERIA FOR BUILDINGS. DYNAMIC RESPONSE OF STRUCTURES TO VIBRATION. BEHAVIOUR OF SOUND IN ROOMS. PENETRATION OF TRANSPORTATION NOISE & VIBRATION INTO BUILDINGS. SEISMIC REQUIREMENTS IN CANADIAN BUILDINGS.

NONINFECTIEUSES

JENICEK M : EPIDEMIOLOGIE CLASSIQUE ET CLINIQUE. MALADIES NONINFECTIEUSES ET INFECTIEUSES.

NORTHERN

BREGHA F : ENVIRONMENTAL ASPECTS OF POLITICAL, SOCIAL AND ECONOMIC DEVELOPMENT ACTIVITIES, PLANS AND PROGRAMS IN NORTHERN CANADA, YUKON AND NORTHWEST-TERRITORIES.
BRODO IM : TAXONOMY OF LICHENS, ESPECIALLY THE GENUS LECANORA AND STUDIES ON THE LICHENFLORA OF CANADA, ESPECIALLY BRITISH-COLUMBIA, ONTARIO & QUEBEC. SYSTEMATIC STUDIES OF VASCULAR PLANTS, BRYOPHYTES, LICHENS & ALGAE (SPECIES OCCURRING IN CANADA & ELSEWHERE IN NORTHERN HEMISPHERE); FLORISTIC STUDIES OF THESE & RARE & ENDANGERED-PLANTS IN CANADA.
DE'ATH CE : KOREA: RESEARCH ON POPULATION, AIR & WATER-QUALITY, NUCLEAR-WASTE, AGRICULTURE & INDUSTRIAL POLLUTION WILDLIFE. PAPUA-NEW-GUINEA: MANUS-ISLAND & FORESTRY DEVELOPMENT IMPACTS. CANADA: SOCIAL & ENVIRONMENTAL-ASSESSMENT (LAKE EUGENIA, NWT), ENERGY EDUCATION IN ONTARIO, MINING IN WINDIGO TRIBAL AREA OF NORTHERN ONTARIO.
DRAKE JJ : SPATIAL AND TEMPORAL VARIATIONS OF METAL PRECIPITATION IN URBAN AREAS VARIABILITY OF HYDROLOGIC RECORDS ENVIRONMENTAL-IMPACT OF NORTHERN MINING KARST HYDROCHEMISTRY.
ENGLISH M : DETERMINATION THROUGH AIRCRAFT MEASUREMENTS OF THE TRANSPORT, DIFFUSION & TRANSFORMATION RATES OF SULPHUR & NITRIC-OXIDES EMITTED FROM OIL-SANDS EXTRACTION PLANTS IN NORTHERN ALBERTA. STUDY OF THE EFFECT OF URBAN AIR-QUALITY ON VISIBILITY.
FREEMAN MMR : ENVIRONMENT & DEVELOPMENT ISSUES, ESPECIALLY RELATING TO PUBLIC ENVIRONMENTAL POLICY ANALYSIS, CONSERVATION SUSTAINABLE UTILIZATION OF RENEWABLE RESOURCES, TRADITIONAL INDIGENOUS SYSTEMS OF MANAGEMENT & CO-MANAGEMENT SYSTEMS. GEOGRAPHIC FOCUS IS NORTHERN AREAS (CANADA & ALASKA).
HARMS VL : TAXONOMY AND PHYTOGEOGRAPHY OF THE VASCULAR PLANT FLORA OF SASKATCHEWAN AND ADJACENT REGIONS. PHYTOGEOGRAPHY OF SASKATCHEWAN RARE PLANTS. TAXONOMY OF HETEROTHECA (COMPOSITAE), (SPARGIANACEAE), PETASITES (COMPOSITAE), AND NORTHERN PLAINS GRASSES, (GRAMINEAE) AND ORCHIDS (ORCHIDAICEA).
HICKS R : COORDINATION OF PLANNING ACTIVITIES FOR THE EFFECTIVE AND EFFICIENT DEVELOPMENT AND USE OF WATER-RESOURCES OF NORTHERN ALBERTA CONSIDERING ECONOMIC, SOCIAL AND ENVIRONMENTAL FACTORS.
JONES HG : CHEMISTRY OF SNOW FALL & SNOW-COVER. SNOWMELT IN NORTHERN ECOSYSTEMS. DRY DEPOSITION & TRANSFORMATION OF N-SPECIES TO SNOW-COVER IN BOREAL-FOREST WATERSHEDS.
NETTLESHIP DN : HEAD LONG-TERM RESEARCH PROGRAM ON REPRODUCTIVE AND PELAGIC-ECOLOGY OF SEABIRD POPULATIONS IN NORTH-WEST ATLANTIC, PARTICULARLY ATLANTIC CANADA AND EASTERN CANADIAN ARCTIC. PUBLICATIONS INCLUDE: "ATLAS OF EASTERN CANADIAN SEABIRDS", "ECOLOGICAL SITES IN NORTHERN CANADA", "CONSERVATION OF MARINE BIRDS OF NORTHERN NORTH-AMERICA", AND "THE THICK-BILLED MURRES OF PRINCE-LEOPOLD ISLAND; BREEDING ECOLOGY OF A COLONIAL HIGH ARCTIC SEABIRD."
REID JR : LAND-USE INFORMATION SERIES OF MAPS COVERS NORTHWEST-TERRITORIES & YUKON EXCLUDING NORTHERN HIGH ARCTIC. INFORMATION PROVIDED IN TEXT & MAP FORM INCLUDES WIDE RANGE OF ENVIRONMENTAL & SOCIAL TOPICS.

NORTHERN

RENNIE PJ : PRODUCTIVITY OF TERRESTRIAL-ECOSYSTEMS, ESPECIALLY NORTHERN BOREAL-FOREST ENVIRONMENTS IN RELATION TO SOIL NUTRITIONAL-STATUS, CLIMATIC CHARACTERISTICS AND PERTURBATION-EFFECTS. PARTICULAR INTERESTS INCLUDE MINERAL CYCLING. FOREST FERTILIZATION AND AIRBORNE POLLUTANT EFFECTS ON SOILS AND VEGETATION.

ROBERTSON ID : LAND-USE PLANNING WESTERN & NORTHERN CANADA. SINGLE INDUSTRY RESOURCE TOWNS. ENVIRONMENTAL-IMPACT-ASSESSMENT PLANNING FOR MEGA-PROJECTS (PETROCHEMICALS, PIPELINES). URBAN REDEVELOPMENT. CITY PLANNING.

ROBERTSON JA : POLICY ADVISOR TO MINISTRY OF NORTHERN DEVELOPMENT AND MINES ON MATTERS RELATING TO URANIUM. EXPLORATION, MINING RESERVES/RESOURCES, TAILINGS AND WASTE-DISPOSAL. GEOLOGY OF URANIUM DEPOSITS.

ROZEE KR : ENVIRONMENTAL CHEMICAL ENHANCERS OF VIRUS INFECTIONS PUBLIC-HEALTH AND ENVIRONMENTAL CHEMICALS. EPIDEMIOLOGY OF VIRUS INFECTIONS IN NORTHERN CLIMATES.

RUBEC CDA : EFFECTS OF ACID-PRECIPITATION & ECOSYSTEMS AT RISK. ASSESSMENT OF RESOURCES AT RISK TO ACID-RAIN. WETLANDS & LAND CONSERVATION. LAND USE MONITORING. ECOLOGICAL LAND SURVEY. NORTHERN ECOLOGY.

SCHWASS RD : CHAIRMAN, TASK FORCE ON CONSERVATION STRATEGY FOR NORTHERN CANADA; CHAIRMAN, ADVISORY COMMITTEE ON RESOURCE MANAGEMENT, BANFF CENTRE; ADVISOR, TO SEVERAL MINISTERS RESPONSIBLE FOR ENVIRONMENTAL POLICY, GOVERNMENT OF CANADA. MEMBER, INTL. ASSOC. OF UNIV. CONFERENCE ON ENVIRONMENTAL EDUCATION, BUDAPEST, OCT. 1983. CONSULTANT TO I.U.C.N. ON SUSTAINABLE DEVELOPMENT AND CONSERVATION STRATEGY IN PAKISTAN AND TANZANIA 1985-86; CONSULTANT TO THE MINISTRY OF POPULATION AND ENVIRONMENT, GOVERNMENT OF INDONESIA, 1985-86.

SIMS RA : VEGETATION AND SITE-CLASSIFICATION OF BOREAL-FORESTS. SUBARCTIC WETLAND AND ARCTIC TUNDRA AREAS. FOREST-ECOSYSTEM CLASSIFICATION OF BOREAL NORTHERN ONTARIO. REMOTE-SENSING FOR VEGETATION STUDY; MAPPING AND INVENTORY (USING SATELLITE AND AERIAL-PHOTO DATA).

TOWNSHEND AR : COLD CLIMATE NORTHERN & RURAL ENVIRONMENTAL ENGINEERING TECHNOLOGIES FOR THE PROTECTION OF THE ENVIRONMENT & QUALITY OF LIFE; TECHNOLOGIES FOR WATER SOURCE DEVELOPMENT & TREATMENT, WATER CONSERVATION, WASTEWATER-TREATMENT & DISPOSAL, SOLID-WASTE MANAGEMENT & ENERGY-CONSERVATION.

WOTTON DL : LEAD: DEPOSITION & ACCUMULATION IN URBAN SOILS, SMELTER EMISSIONS, EXHAUST, PAINT RESIDUES. FOREST: EFFECTS FROM MINING SMELTERS ON VEGETATION & SOIL, NORTHERN BOREAL-FOREST ECOSYSTEMS, CONIFEROUS REGENERATION IMPACTS FROM HEAVY-METAL CONTAMINATED SOILS. SOIL & GEOLOGY SENSITIVITY MAPPING FOR ACID-RAIN. HERBICIDES.

NORTHWEST-TERRITORIES

BREGHA F : ENVIRONMENTAL ASPECTS OF POLITICAL, SOCIAL AND ECONOMIC DEVELOPMENT ACTIVITIES, PLANS AND PROGRAMS IN NORTHERN CANADA, YUKON AND NORTHWEST-TERRITORIES.

IRONSIDE GR : ECOLOGICAL LAND-CLASSIFICATION, INTEGRATED LAND RESOURCE DATA FOR LAND-USE PLANNING AND NATURAL RESOURCE MANAGEMENT. AREA OF EXPERTISE: NORTHWEST-TERRITORIES AND YUKON TERRITORY. MEMBER OF SECRETARIAT FOR CANADA COMMITTEE ON ECOLOGICAL LAND-CLASSIFICATION.

REID JR : LAND-USE INFORMATION SERIES OF MAPS COVERS NORTHWEST-TERRITORIES & YUKON EXCLUDING NORTHERN HIGH ARCTIC. INFORMATION PROVIDED IN TEXT & MAP FORM INCLUDES WIDE RANGE OF ENVIRONMENTAL & SOCIAL TOPICS.

NOVA-SCOTIA

BLAIR N : RESEARCH ASSOCIATE. PROVINCIAL CONSERVATION STRATEGY, NOVA-SCOTIA, INCLUDING PARTICIPATORY ACTION RESEARCH WITH NONGOVERNMENTAL AND GOVERNMENTAL GROUPS, PUBLIC EDUCATION. STUDIES IN FUELWOOD SUPPLY, MARKETING AND DISTRIBUTION IN NOVA-SCOTIA FORESTRY STUDIES: SOCIOLOGICAL, POLICY AND BUSINESS. PROJECT OFFICER IN TRAINING INDONESIANS IN ENVIRONMENTAL SKILLS EG. ENVIRONMENTAL-LAW, ENVIRONMENTAL-IMPACT-ASSESSMENT, ETC.

NUCLEAIRE

PAGEAU Y : ECONOMIE DES RESSOURCES MINERALES NON-RENOUVELABLE DONT LES RESSOURCES ENERGETIQUES (CHARBON, PETROLE, GAS ET URANIUM). ENERGIE VERSUS ENVIRONNEMENT (TOUTE ECONOMIE D'ENERGIE SE SOLDE EN AMELIORATION DE L' ENVIRONNEMENT.) PREOCCUPATION CONCERNANT L' ENERGIE NUCLEAIRE.

NUCLEAR

CHARLESWORTH DH : ENVIRONMENTAL-PROTECTION RELATED TO THE STUDY AND USE OF NUCLEAR ENERGY. RADIOACTIVE-WASTE MANAGEMENT.

COOPER EL : ENVIRONMENTAL-MONITORING AND RESEARCH ON THE BEHAVIOUR OF RADIONUCLIDES IN THE ENVIRONMENT. ALSO INTERESTED IN THE USES OF RADIOTRACERS AND NUCLEAR METHODS IN STUDIES OF ENVIRONMENTAL PROCESSES.

DODD DJR : CONTROL OF GAS, LIQUID, SOLID-EMISSIONS FROM THERMAL & NUCLEAR GENERATING STATIONS IN ONTARIO. FOCUS ON FLY-ASH & ACID-GAS CONTROL SYSTEM WASTE-DISPOSAL LEACHING BEHAVIOUR. ACID-GAS CONTROL TECHNOLOGIES.

NUCLEAR

DRAPER DW : MANAGEMENT OF SCIENTIFIC INVESTIGATIONS AND POLLUTION-CONTROL TECHNOLOGY EVALUATION PROGRAMS FOR FOSSIL-FUELLED AND NUCLEAR POWER, AND OIL AND GAS PRODUCTION AND PROCESSING. DEVELOPMENT AND CONDUCT OF ENVIRONMENTAL-PROGRAMS FOR NEW ENERGY TECHNOLOGIES.
DUNFORD WE : ENVIRONMENTAL & SAFETY ASSESSMENTS OF NUCLEAR FUEL WASTE-DISPOSAL CONCEPTS.
FORESTER AJ : METALS IN AQUATIC-ECOSYSTEMS. IMPACT OF AIR-POLLUTANTS ON HEALTH AND ENVIRONMENT. INCLUDING DEVELOPING-COUNTRIES. ENVIRONMENTAL-IMPACT OF NUCLEAR WARFARE. SCIENCE AND POLICY.
HUGHES CJ : A GEOLOGIST'S PERSPECTIVE OF THE HUMAN PREDICAMENT (BOOK). ISSUES ADDRESSED INCLUDE: THE EFFECT OF RESEARCH AND TECHNOLOGY ON THE ENVIRONMENT; SOCIAL RESPONSIBILITY OF THE SCIENTIFIC COMMUNITY, NUCLEAR ENERGY AND THE MANAGEMENT OF OUR NATURAL-RESOURCES.
JOSHI SR : DEVELOPMENT OF METHODS FOR MEASURING RADIONUCLIDE IN THE AQUATIC ENVIRONMENT; IMPACT OF RADIONUCLIDES RELEASED FROM NUCLEAR FACILITIES & URANIUM MINING INDUSTRY ON THE AQUATIC ENVIRONMENT; NUCLEAR TECHNIQUES IN WATER-POLLUTION RESEARCH.
PITEL JA : PHYSIOLOGY & BIOCHEMISTRY OF SEED GERMINATION, SEED DORMANCY & SEED STORAGE PROBLEMS OF FOREST TREE SPECIES. STUDIES ON DNA: STRUCTURE & FUNCTION OF ORGANELLAR & NUCLEAR DNA. DNA CLONING, SEQUENCING ETC.
TORRENUEVA AL : MONITORING ENVIRONMENTAL-IMPACT ASSOCIATED WITH CONSTRUCTION & OPERATION OF ELECTRIC GENERATING STATIONS (THERMAL, HYDRAULIC & NUCLEAR). NUCLEAR). RESEARCH ON THE EFFECTS OF ACID-DEPOSITION & OTHER AIR-POLLUTANTS ON BIOLOGICAL SYSTEMS. REVEGETATION OF ASH DISPOSAL AREAS.
ZACH R : EFFECTS OF RADIATION ON THE ENVIRONMENT. MOVEMENT OF RADIONUCLIDES IN THE ENVIRONMENT. NUCLEAR FUEL, WASTE-MANAGEMENT, ENVIRONMENTAL-ASSESSMENT. EFFECTS OF RADIATION ON BIRDS. ECOLOGY.

NUCLEAR-WASTE

DE'ATH CE : KOREA: RESEARCH ON POPULATION, AIR & WATER-QUALITY, NUCLEAR-WASTE, AGRICULTURE & INDUSTRIAL POLLUTION WILDLIFE. PAPUA-NEW-GUINEA: MANUS-ISLAND & FORESTRY DEVELOPMENT IMPACTS. CANADA: SOCIAL & ENVIRONMENTAL-ASSESSMENT (LAKE EUGENIA, NWT), ENERGY EDUCATION IN ONTARIO, MINING IN WINDIGO TRIBAL AREA OF NORTHERN ONTARIO.
FARKAS EJ : NATURAL-GAS TRANSMISSION BY PIPELINE, NATURAL-GAS METERING AT HIGH PRESSURE, USE OF NATURAL-GAS AS A MOTOR-VEHICLE FUEL; SOLID, LIQUID, AND NUCLEAR-WASTE MANAGEMENT; AIR AND WATER-POLLUTION, ION-EXCHANGE.
MANITOBA NATURALISTS SOCIETY : FIVE ACTION COMMITTEES MONITOR THE ENVIRONMENT OF MANITOBA IN PARTICULAR, BUT ALSO STUDY NATIONAL AND INTERNATIONAL ISSUES. THEY ARE PARKS, WILDLIFE, URBAN-ENVIRONMENT, HABITAT CONSERVATION AND ENVIRONMENTAL ACTION. VARIOUS POSITION PAPERS AND BRIEFS ARE WRITTEN REGARDING ENVIRONMENTAL ISSUES AND BROUGHT FORWARD TO THE GOVERNMENT AND INDUSTRY RESPONSIBLE. HECLA ISLAND MANAGEMENT PLAN, LOGGING IN ATIKAKI WILDERNESS AREA, CITY OF WINNIPEG RIVERS AND STREAM AUTHORITY, HYDRO ELECTRIC DEVELOPMENT (CONAWAPA) AND STORAGE OF NUCLEAR-WASTE.

NUCLEPORE-FILTER

MELO OT : AEROSOL SCIENCE. NUCLEPORE-FILTER TECHNIQUE. PLUME CHEMISTRY RESEARCH. STUDIES OF CLOUD PHYSICS AND CHEMISTRY ASPECTS OF ACID-RAIN.

NUCLIDE

SNODGRASS WJ : RESEARCH INTO SEDIMENT WATER TRANSFER OF CONTAMINANTS (CHLORINATED ORGANICS, HEAVY-METALS, RADIONUCLIDES, ALKALINITY). WATER & WASTEWATER-TREATMENT PROCESSES. RADIOLOGICAL IMPACT OF NUCLIDE RELEASES.

NURSERIES

MAHENDRAPPA MK : SOIL-CHEMISTRY AND MICROBIOLOGY AS RELATED TO ACID-RAIN AND NUTRIENT-CYCLING IN FOREST-ECOSYSTEMS. CHEMISTRY OF PRECIPITATION AND ITS INFLUENCE ON THE CHEMICAL AND BIOCHEMICAL PROCESSES ON TREES AND SOIL. IMPROVEMENT OF THE USE OF WATER AND FERTILIZERS IN TREE NURSERIES.
ROSS G : HERBICIDE ENVIRONMENTAL-IMPACT-ASSESSMENT. SPRUCE PLANTATION ESTABLISHMENT, GROWTH & YIELD. GENETIC TREE IMPROVEMENT. TREE NURSERIES. SILVICULTURE WORK STUDY, PRODUCTIVITY TRIALS.

NUTRIENT

BARICA J : LIMNOLOGY OF EUTROPHIC LAKES: NUTRIENT AND OXYGEN REGIMES, FORMATION OF ALGAL BLOOMS: CYANOPHYTA ECOLOGY, ALGAL CONTROL, PREDICTIONS OF LAKE PRODUCTIVITY; CAUSES AND REMEDIES OF MASSIVE FISH MORTALITIES (SUMMER AND WINTER FISH KILLS); NUTRIENT CONTAMINANTS INTERACTIONS; LAKE RESTORATION.

NUTRIENT

BATES TE : SOIL-FERTILITY, PLANT NUTRIENT RESPONSE & PREDICTION OF REQUIREMENTS, SOIL TESTING & PLANT ANALYSIS INCLUDING MICRONUTRIENTS & HEAVY-METALS, USE OF SEWAGE SLUDGE ON LAND.
BOLLO-KAMARA A : DEVELOPING ANALYTICAL METHODS FOR DETERMINING NUTRIENT STATUS OF SOILS FOR FERTILITY AND DIAGNOSIS PURPOSES. NEW PROCEDURES FOR DETERMINING PLANT AND FEED QUALITY FOR ESTABLISHING DIAGNOSTIC TESTS FOR FIELD CROP CALIBRATION.
HALL KJ : ENVIRONMENTAL POLLUTION, SPECIFICALLY TRACE-METAL AND TRACE-ORGANIC CONTAMINANTS. PRODUCTION AND DECOMPOSITION PROCESSES IN MARSHES. LIMNOLOGICAL STUDIES ON NUTRIENT AVAILABILITY AND REGULATION OF PRODUCTION PROCESSES.
KALFF J : AQUATIC ECOLOGY, LIMNOLOGY, MACROPHYTES AND PHYTOPLANKTON, NUTRIENTS, PRODUCTION AND BIOMASS, WATERSHEDS, NUTRIENT AND TOXINS RELATIONSHIPS OF PRIMARY PRODUCTION TO SECONDARY AND FISH PRODUCTION. TROPICAL, TEMPERATE AND ARCTIC LAKES.
ROBITAILLE G : EFFECTS OF PRIMARY & SECONDARY AIR-POLLUTANTS INCLUDING ACID-RAIN ON FORESTS, SOILS, LICHENS & MOSSES; NUTRIENT CYCLING IN FOREST-ECOSYSTEMS; BIOGEOCHEMICAL CYCLES; BIOMONITORING; TREE-RING ANALYSIS IN RELATION TO POLLUTION.
SCOTT GAJ : MAN'S IMPACT ON SOIL VEGETATION NUTRIENT SYSTEMS, PARTICULARLY THROUGH DEFORESTATION BY LOGGING OR SHIFTING CULTIVATION IN THE HUMID TROPICS & SUBTROPICS.
SLY PG : GEOLOGY OF LARGE LAKE SYSTEMS, SEDIMENT WATER INTERACTIONS INCLUDING TOXIC & NUTRIENT CONTAMINANTS, DREDGING & MATERIAL DISPOSAL, SEDIMENT EROSION, DEPOSITION & TRANSPORT. AQUATIC HABITATS & SEDIMENT BIOTA (INVERTEBRATE & FISH) INTERACTIONS.
STOCKNER JG : RESEARCH ON TROPHO-DYNAMICS OF LAKES AND COASTAL MARINE WATERS OF BRITISH-COLUMBIA, SPECIALIZING IN AUTOTROPHIC PRODUCTION AND NUTRIENT DYNAMICS.
TRUONG DINH PHU : NUTRIENT STATUS IN FOREST-PLANTATIONS & NATURAL FORESTS. FERTILITY STATUS OF FOREST SOILS. EFFECT OF ACID-DEPOSITION ON THE FERTILITY STATUS OF FOREST SOILS & FOREST-ECOSYSTEMS.
UNDERWOOD JK : LIMNOLOGY; NUTRIENT ENRICHMENT & ACID-RAIN IMPACT-ASSESSMENT.

NUTRIENT-CYCLING

GORDON AG : BIOMASS, PRODUCTIVITY, AND NUTRIENT-CYCLING OF SPRUCE FOREST-ECOSYSTEMS; THE GENETICS AND GENECOLOGY AND TREE IMPROVEMENT OF THE SPRUCE GENUS.
KIMMINS JP : ENVIRONMENTAL-IMPACT OF FOREST-MANAGEMENT. FOREST ECOSYSTEM FUNCTIONS, BIOMASS AND NUTRIENT-CYCLING, PRODUCTIVITY. COMPUTER-SIMULATION MODELLING OF LONG-TERM IMPACTS OF INTENSIVE FOREST-MANAGEMENT ON YIELD AND SITE FERTILITY - FORCYTE.
MAHENDRAPPA MK : SOIL-CHEMISTRY AND MICROBIOLOGY AS RELATED TO ACID-RAIN AND NUTRIENT-CYCLING IN FOREST-ECOSYSTEMS. CHEMISTRY OF PRECIPITATION AND ITS INFLUENCE ON THE CHEMICAL AND BIOCHEMICAL PROCESSES ON TREES AND SOIL. IMPROVEMENT OF THE USE OF WATER AND FERTILIZERS IN TREE NURSERIES.
NEAME PA : RESEARCH IN NUTRIENT-CYCLING IN AQUATIC-ECOSYSTEMS. EXPERIENCE IN ENVIRONMENTAL-IMPACT-ASSESSMENT AND TROPICAL FISHERIES ECOLOGY.
WEETMAN GF : STUDY OF STATE OF CANADIAN FOREST-MANAGEMENT. NUTRIENT-CYCLING AND FERTILIZATION RESEARCH. SILVICULTURE OF CANADIAN FOREST TYPES.
WEIN RW : RESEARCH INTERESTS INCLUDE USE OF FIRE IN NATIONAL PARKS & WILDERNESS AREAS. BASIC STUDIES INTERESTS INCLUDE POST FIRE NUTRIENT-CYCLING AND PRIMARY PRODUCTION.

NUTRIENTS

JONES EP : CHEMICAL OCEANOGRAPHY RESEARCH, PRIMARILY INVOLVING NUTRIENTS, OXYGEN, ALKALINITY, CARBONATE AND FREONS. AREAS STUDIED INCLUDE ARCTIC OCEAN, BAFFIN-BAY, CANADIAN ARCHIPELAGO, LABRADOR-SEA AND NORTH ATLANTIC OCEAN.
KALFF J : AQUATIC ECOLOGY, LIMNOLOGY, MACROPHYTES AND PHYTOPLANKTON, NUTRIENTS, PRODUCTION AND BIOMASS, WATERSHEDS, NUTRIENT AND TOXINS RELATIONSHIPS OF PRIMARY PRODUCTION TO SECONDARY AND FISH PRODUCTION. TROPICAL, TEMPERATE AND ARCTIC LAKES.
WIGGINS GB : RESEARCH CONCERNED WITH BIOSYSTEMATICS OF TRICHOPTERA (CADDISFLIES), AN ORDER OF AQUATIC INSECTS IMPORTANT IN THE TRANSFER OF ENERGY AND NUTRIENTS IN ALL TYPES OF FRESHWATER HABITATS.

NUTRITION

BEAMISH FWH : ECOLOGY AND PHYSIOLOGY OF TELEOSTS AND CYCLOSTOMES. BIOENERGETICS AND NUTRITION OF SALMONIDS. SUBLETHAL EFFECTS OF XENOBIOTICS ON FISHES.
COOK RH : AQUACULTURE DEVELOPMENT (ATLANTIC SALMON, AMERICAN LOBSTER, SEA SCALLOPS) GROWTH & REPRODUCTIVE PHYSIOLOGY, DISEASE & NUTRITION, DIET FORMULATIONS, METHODS OF DISEASE-PREVENTION, GENETICS. POLLUTION EFFECTS ON FISH: ECOLOGICAL STUDIES, SUBLETHAL BIOLOGICAL EFFECTS, METHODS, DETECTION & ANALYSIS OF TRACE ORGANIC & INORGANIC TOXIC-CHEMICALS.
LABAJ AB : WEED SCIENCE; PERENNIAL WEED CONTROL; PLANT NUTRITION; TISSUE CULTURING (STERILE CULTURE) OF PERENNIAL WEEDS. BIOTYPICAL STUDIES OF WEEDS; WEED PHYSIOLOGY.
POLAND JS : ANALYSIS OF TRACE-METALS AND TOXIC ORGANIC-COMPOUNDS IN THE ENVIRONMENT. ENVIRONMENTAL-HEALTH AND SAFETY AND RELATIONSHIPS BETWEEN TRACE-ELEMENTS AND HEALTH AND NUTRITION.

N2-FIXATION

KNOWLES R : MICROBIOLOGICAL NITROGEN TRANSFORMATIONS IN THE ENVIRONMENT, INCLUDING N2-FIXATION, NITRIFICATION, DENITRIFICATION OF N OXIDES. AQUATIC AND TERRESTRIAL SYSTEMS.

N2-FIXING

WEINBERGER P : ECOPHYSIOLOGY AND TOXICOLOGY WITH SPECIAL REFERENCE TO SOILS, SOIL MICROORGANISMS, WATER (FRESH AND ESTUARINE) AQUATIC MICRO AND MACROPHYTES AND SOME TREES INDIGENOUS TO CANADA. FATE TRANSPORT, UPTAKE, EFFECTS ON PHYSIOLOGY AND DEVELOPMENT OF N2-FIXING CYANOBACTERIA, ALGAE, AQUATIC MACROPHYTES AND SOME GYMNOSPERM AND ANGIOSPERM TREE SEEDS.

OBLIGATE-ANAEROBES

PATEL GB : ISOLATION, CHARACTERIZATION & STUDY OF THE PHYSIOLOGY OF OBLIGATE-ANAEROBES INVOLVED IN THE BREAKDOWN OF COMPLEX ORGANIC MATTER PRESENT IN ANAEROBIC ECOSYSTEMS (CELLULOLYTIC, SACCHAROLYTIC, METHANOGENIC-BACTERIA). SEWAGE TREATMENT; PULP & PAPER.

OCCUPATIONAL

SARKAR B : TRANSPORT, ACCUMULATION AND TOXICITY OF METALS CAUSED BY ENVIRONMENTAL AND OCCUPATIONAL EXPOSURE.

TOMKINS DJ : OCCUPATIONAL AND ENVIRONMENTAL GENETIC TOXICOLOGY DEVELOPMENT OF SEVERAL GENETIC MEASURES INCLUDING CYTOGENETIC AND SINGLE GENE MUTATION; ASSESSMENT OF MEASURES FOR POPULATION MONITORING.

OCCUPATIONAL-HEALTH

GHENT M : RISK AND HAZARD ASSESSMENT AND MONITORING. ENVIRONMENTAL-ASSESSMENT. METEOROLOGY. DATA-BASE SERVICES. OCCUPATIONAL-HEALTH AND SAFETY. ENGINEERING AND INDUSTRIAL PROCESS. INSTRUMENTATION AND LABORATORY SERVICES.

HARRIS IWE : TECHNOLOGY, ENGINEERING AND REGULATIONS RELATING TO OCCUPATIONAL-HEALTH, WASTE-MANAGEMENT (AIR, WATER, LAND) AND PRODUCT LIABILITY. SYNTHETIC ELASTOMERS AND RESINS.

MAKHIJA R : METHOD DEVELOPMENT IN METALLURGICAL EFFLUENTS, AIR-MONITORING, CHEMICAL AUDIT, IDENTIFICATION OF TOXIC-CHEMICALS AND THEIR ANALYSIS, WASTE-MANAGEMENT STUDIES INCLUDING, SEMINARS, WORKSHOPS; SPILL CONTROL, HAZARDOUS-WASTE METHODS DEVELOPMENT, OCCUPATIONAL-HEALTH AND SAFETY, LANDFILL MONITORING, WATER-QUALITY, SOLID-WASTE SAMPLING AND ANALYSIS.

PETROLEUM ASSOC FOR CONSERVATION : TO PROMOTE, WITHIN THE CANADIAN PETROLEUM INDUSTRY DEVELOPMENT AND APPLICATION OF THE PRINCIPLES AND SCIENCE OF ENVIRONMENTAL CONSERVATION, INCLUDING ENVIRONMENTAL-PROTECTION, OCCUPATIONAL-HEALTH AND SAFETY, PRODUCT TOXICITY AND ENERGY-CONSERVATION AS RELATED TO ENVIRONMENTAL-PROTECTION.

SANDERSON HP : ENVIRONMENTAL-HEALTH; ATMOSPHERIC-CHEMISTRY: ORGANIC & INORGANIC; OCCUPATIONAL-HEALTH & WORK ENVIRONMENT. CRITERIA DOCUMENTATION, STANDARDIZATION, METHODOLOGY, ETC.

SMITH JW : INDUSTRIAL-HYGIENE ENGINEERING AND POLLUTION-CONTROL. CERTIFIED INDUSTRIAL HYGIENIST AND DESIGNATED SPECIALIST IN OCCUPATIONAL-HEALTH AND SAFETY, IMPACT AND RISK-ASSESSMENT, AIR-QUALITY MONITORING.

OCEAN

AKSU A E : PALEOCLIMATIC AND OCEANOGRAPHIC EVOLUTION OF THE LABRADOR-SEA AND BAFFIN-BAY DURING THE LAST 25 MA ODP (LEG 105) ARCTIC OCEAN CHRONOSTRATIGRAPHY. SEISMIC STRATIGRAPHY OF SMALL DELTAS IN MICROTIDAL SETTING (AEGEAN-SEA). SEDIMENTOLOGY AND GEOCHEMISTRY OF SALINE AND BITTER LAKES IN ANATOLIA. AMINO-ACID EPIMERIZATION IN FORAMINIFERA. SEDIMENTOLOGY AND SEISMIC STRATIGRAPHY OF FIORDS AND BAYS AROUND NEWFOUNDLAND. SEDIMENTOLOGY OF SHELF BASINS, SLOPE AND RISE TRANSITION.

BEWERS JM : GEOCHEMISTRY OF TRACE-METALS IN THE MARINE ENVIRONMENT. HALOGEN GEOCHEMISTRY. RADIOACTIVITY ANALYSIS. RESEARCH RELATED TO DISPOSAL OF RADIOACTIVE-WASTE IN THE OCEAN INCLUDING ENVIRONMENTAL SURVEILLANCE PROGRAMS.

CLODMAN S : SHORT-RANGE COMPUTER WEATHER FORECASTING METHODS, ESPECIALLY PATTERN-RECOGNITION TECHNIQUES. MESOSCALE (INERTIO-GRAVITY) WAVES OF THE TROPOSPHERE. FORECASTING WIND-DRIVEN OCEAN AND LAKE SURFACE WAVES.

HALL HA : RESPONSIBLE FOR MARINE ENVIRONMENTAL-PROTECTION POLICY DEVELOPMENT AND ENFORCEMENT OF REGULATORY INSTRUMENTS FOR POLLUTION-CONTROL AND OCEAN DUMPING. DIRECT THE PROVISION OF ADVICE CONCERNING ENVIRONMENTAL-IMPACT OF OFFSHORE EXPLORATION, AND ENVIRONMENTAL ADVICE AND RESPONSE TO MARINE EMERGENCIES.

HANSON AJ : FISHERIES COASTAL ZONE AND OCEAN MANAGEMENT. RESOURCE ECOLOGY AND DEVELOPMENT. FOREST BIOMASS FOR ENERGY. INTERNATIONAL DEVELOPMENT AND THE ENVIRONMENT WITH EXPERTISE IN SOUTHEAST ASIA AND CARIBBEAN.

OCEAN

JONES EP : CHEMICAL OCEANOGRAPHY RESEARCH, PRIMARILY INVOLVING NUTRIENTS, OXYGEN, ALKALINITY, CARBONATE AND FREONS. AREAS STUDIED INCLUDE ARCTIC OCEAN, BAFFIN-BAY, CANADIAN ARCHIPELAGO, LABRADOR-SEA AND NORTH ATLANTIC OCEAN.
KARAU JH : NATIONAL MANAGER OF THE OCEAN DUMPING CONTROL ACT (ODCA) PROGRAM WHICH REGULATES THE DISPOSAL OF WASTES AT SEA THROUGH A SYSTEM OF PERMITS.
OAKY NS : OCEANOGRAPHY: STUDIES OF TURBULENT MIXING PROCESSES IN THE OCEAN; MEASUREMENT, ANALYSIS & PUBLICATION OF RESULTS ON LEVELS OF MICROSTRUCTURE OF VELOCITY & TEMPERATURE DESIGN OF INSTRUMENTS TO CARRY OUT STUDIES.
SKEY SGP : WEATHER AND SEA STATE FORECASTING (REAL TIME, 24 HRS/DAY/YEAR ROUND). METEOROLOGICAL MONITORING, FIELD STUDIES, NUMERICAL MODELLING, POLLUTION STUDIES, AGRICULTURAL AND WATER-RESOURCE STUDIES. OCEANOGRAPHIC CONSULTING, CURRENT, TIDE AND WAVE MEASUREMENTS AND ANALYSIS FROM SHALLOW WATER TO DEEP OCEAN.
SOUTH GR : MARINE PHYCOLOGY. EXPERIMENTAL ECOLOGY, FLORISTICS, LABORATORY CULTURE, LIFE-HISTORIES OF BENTHIC MARINE MACROALGAE. MARINE BIOGEOGRAPHY OF THE NORTH ATLANTIC OCEAN.
STEVENSON LS : MANGANESE NODULES ON OCEAN FLOOR; FLUORIDE CONTENT IN TOOTH MINERALS.

OCEANOGRAPHIC

AKENHEAD SA : FISHERIES OCEANOGRAPHY, BIOLOGICAL OCEANOGRAPHY, FISHERIES MANAGEMENT, ECOLOGICAL MODELLING. HYDROGRAPHY, OCEANOGRAPHIC INSTRUMENTS. MARICULTURE.
AKSU A E : PALEOCLIMATIC AND OCEANOGRAPHIC EVOLUTION OF THE LABRADOR-SEA AND BAFFIN-BAY DURING THE LAST 25 MA ODP (LEG 105) ARCTIC OCEAN CHRONOSTRATIGRAPHY. SEISMIC STRATIGRAPHY OF SMALL DELTAS IN MICROTIDAL SETTING (AEGEAN-SEA). SEDIMENTOLOGY AND GEOCHEMISTRY OF SALINE AND BITTER LAKES IN ANATOLIA. AMINO-ACID EPIMERIZATION IN FORAMINIFERA. SEDIMENTOLOGY AND SEISMIC STRATIGRAPHY OF FIORDS AND BAYS AROUND NEWFOUNDLAND. SEDIMENTOLOGY OF SHELF BASINS, SLOPE AND RISE TRANSITION.
SKEY SGP : WEATHER AND SEA STATE FORECASTING (REAL TIME, 24 HRS/DAY/YEAR ROUND). METEOROLOGICAL MONITORING, FIELD STUDIES, NUMERICAL MODELLING, POLLUTION STUDIES, AGRICULTURAL AND WATER-RESOURCE STUDIES. OCEANOGRAPHIC CONSULTING, CURRENT, TIDE AND WAVE MEASUREMENTS AND ANALYSIS FROM SHALLOW WATER TO DEEP OCEAN.

OCEANOGRAPHY

AKENHEAD SA : FISHERIES OCEANOGRAPHY, BIOLOGICAL OCEANOGRAPHY, FISHERIES MANAGEMENT, ECOLOGICAL MODELLING. HYDROGRAPHY, OCEANOGRAPHIC INSTRUMENTS. MARICULTURE.
BOSTON NEJ : PHYSICAL OCEANOGRAPHY; AIR & SEA INTERACTION AND TURBULENCE; MICROMETEOROLOGY OIL-SPILL CONTINGENCY-PLANNING; PLANNING AND EXECUTION OF INTERNATIONAL RESEARCH PROGRAMS: TEACHING OF UNDERGRADUATE GRADUATE OCEANOGRAPHY COURSES; DEVELOPMENT OF OCEANOGRAPHY PROGRAMS FOR DEVELOPING-COUNTRIES AND UNIVERSITIES. RESOURCE DATA-BASE DEVELOPMENT. COMPUTERIZED RESOURCE & SENSITIVITY-MAPPING.
BURGESS LCN : FLOOD HAZARD EVALUATION THROUGH REMOTE-SENSING. ENVIRONMENTAL-PROTECTION. SUBUNIT'S EXPERTISE ALSO INCLUDES OCEANOGRAPHY, WILDLIFE, FISHERY & MARINE BIOLOGY, HYDROLOGY, GEOMORPHOLOGY, MARINE MAMMALS, ENVIRONMENTAL-ENGINEERING.
JONES EP : CHEMICAL OCEANOGRAPHY RESEARCH, PRIMARILY INVOLVING NUTRIENTS, OXYGEN, ALKALINITY, CARBONATE AND FREONS. AREAS STUDIED INCLUDE ARCTIC OCEAN, BAFFIN-BAY, CANADIAN ARCHIPELAGO, LABRADOR-SEA AND NORTH ATLANTIC OCEAN.
LAKSHMINARAYANA JSS : BIOLOGICAL LIMNOLOGY & OCEANOGRAPHY; POLLUTION, WATER-QUALITY, ALGAE, PHYTOPLANKTON, PRODUCTIVITY. TEACHING, SCIENTIFIC RESEARCH & DEVELOPMENT: COASTAL, MARINE & FRESHWATER ENVIRONMENT.
MACKNIGHT SD : IMPACTS OF DREDGING AND DREDGED MATERIAL DISPOSAL DISPOSAL OF DRILLING MUDS AND FLUIDS; DISPOSAL IN OCEANS; ESTUARINE CHEMISTRY; CHEMICAL OCEANOGRAPHY; BIOAVAILABILITY OF METALS; SEDIMENT WATER INTERACTIONS.
OAKY NS : OCEANOGRAPHY: STUDIES OF TURBULENT MIXING PROCESSES IN THE OCEAN; MEASUREMENT, ANALYSIS & PUBLICATION OF RESULTS ON LEVELS OF MICROSTRUCTURE OF VELOCITY & TEMPERATURE DESIGN OF INSTRUMENTS TO CARRY OUT STUDIES.
ROFF JC : BROAD EXPERTISE IN AQUATIC SCIENCES, MARINE, ESTUARINE, FRESHWATER AND STREAMS, ECOSYSTEMS, ARCTIC CHEMICAL AND BIOLOGICAL OCEANOGRAPHY.

OCEANS

COLWELL DW : NATIONAL CENTRE OF COMPETENCE CONCERNED WITH APPLICATION OF METEOROLOGICAL KNOWLEDGE AND DATA TO STUDIES DEALING WITH PROBLEMS OF THE FRESH AND SALT WATER ENVIRONMENTS (HYDROLOGY, WATER-RESOURCES, OCEANS, LAKES AND RESERVOIRS).
MACKNIGHT SD : IMPACTS OF DREDGING AND DREDGED MATERIAL DISPOSAL DISPOSAL OF DRILLING MUDS AND FLUIDS; DISPOSAL IN OCEANS; ESTUARINE CHEMISTRY; CHEMICAL OCEANOGRAPHY; BIOAVAILABILITY OF METALS; SEDIMENT WATER INTERACTIONS.

ODONATES

FERNET L : EFFETS DU DDT SUR INSECTES AQUATIQUES (ODONATES) EN GASPESIE.

ODOUR

ABRAMSON D : MYCOTOXINS IN STORED CEREALS & OILSEEDS: DEVELOPMENT MYCOLOGY, METHODS OF ANALYSIS; MYCOTOXIN METABOLISM IN LIVESTOCK; FUNGAL ODOUR ANALYSIS; MASS-SPECTROMETRY OF MYCOTOXINS & RELATED METABOLITES.
ALDI RG : ENVIRONMENTAL-ENGINEERING INVOLVING AIR-POLLUTION & AIR-POLLUTION CONTROL. ENVIRONMENTAL-MONITORING & ASSESSMENT. CONTROL DESIGN. INDUSTRIAL ODOUR ANALYSIS & SAMPLING.
BIRKBECK AE : CHARACTERISATION & TREATMENT OF LANDFILL LEACHATE, ODOUR CONTROL AT LANDFILLS. INDUSTRIAL & MUNICIPAL WASTEWATER-TREATMENT, RECLAMATION & RECIRCULATION FOR FISH HATCHERIES. DESIGN & EVALUATION OF SMALL DISINFECTION UNITS, CHLORINE, OZONE & ULTRAVIOLET.
GNYP AW : STACK, AMBIENT AND IN-PLANT SAMPLING AND CONTINUOUS MONITORING FOR PARTICULATE AND GASEOUS POLLUTANTS: PARTICLE-SIZING: ODOUR MEASUREMENT AND CONTROL: DESIGN OF CONTROL EQUIPMENT FOR GASEOUS PARTICULATE AND ODOUROUS POLLUTANTS: LONG AND SHORT RANGE ATMOSPHERIC TRANSPORT: SOLID-WASTE DISPOSAL.
HOWARD TE : INDUSTRIAL-HYGIENE. ENVIRONMENTAL HEALTH STUDIES. AIR-POLLUTION STUDIES: IMPACT OF AIR EMISSIONS, ACID-RAIN, ODOUR CONTROL. MODELLING ATMOSPHERIC DISPERSION OF AIR-POLLUTANTS. WATER STUDIES. UPTAKE OF METALS BY AQUATIC ORGANISMS. BIOASSAYS. WASTEWATER-TREATMENT. REMOTE-SENSING. LANDFILL LEACHATE CONTROL.
NAISH VA : ENVIRONMENTAL-IMPACT-ASSESSMENT PARTICULARLY RELATED TO TOXICITY AND TAINTING OF AQUATIC COMMUNITIES AND TASTE OR ODOUR OF RECEIVING WATERS.
ST PIERRE CC : AIR-POLLUTION CONTROL; WET-SCRUBBERS; SOURCE EMISSION MEASUREMENTS; RISK-ASSESSMENT; INDOOR AIR-POLLUTION MODELLING & MEASUREMENT; QUANTIFICATION OF ODOUR IMPACT LABORATORY ANALYSIS AND DISPERSION MODELLING.
VISWANATHAN S : PARTICULATE MEASUREMENT AND CONTROL, ODOUR MEASUREMENT AND CONTROL, TRACE-ELEMENT MEASUREMENT, DISPERSION MODELLING, INDUSTRIAL-HYGIENE MEASUREMENTS, HEATING AND VENTILATION, HAZARDOUS-WASTE AUDITS.

ODOUROUS

GNYP AW : STACK, AMBIENT AND IN-PLANT SAMPLING AND CONTINUOUS MONITORING FOR PARTICULATE AND GASEOUS POLLUTANTS: PARTICLE-SIZING: ODOUR MEASUREMENT AND CONTROL: DESIGN OF CONTROL EQUIPMENT FOR GASEOUS PARTICULATE AND ODOUROUS POLLUTANTS: LONG AND SHORT RANGE ATMOSPHERIC TRANSPORT: SOLID-WASTE DISPOSAL.
PANT BC : PARTICULATE AND GAS FILTRATION SYSTEMS TO ELIMINATE POLLUTANTS SUCH AS CORROSIVE, ODOUROUS AND TOXIC GASES FROM WORK PLACE ENVIRONMENT.

OFFSHORE

HALL HA : RESPONSIBLE FOR MARINE ENVIRONMENTAL-PROTECTION POLICY DEVELOPMENT AND ENFORCEMENT OF REGULATORY INSTRUMENTS FOR POLLUTION-CONTROL AND OCEAN DUMPING. DIRECT THE PROVISION OF ADVICE CONCERNING ENVIRONMENTAL-IMPACT OF OFFSHORE EXPLORATION, AND ENVIRONMENTAL ADVICE AND RESPONSE TO MARINE EMERGENCIES.
SANDILANDS RW : FIELD SURVEYS: OPERATIONS IN BRITISH-COLUMBIA COAST, WESTERN ARCTIC. MARITIME HISTORY: BRITISH-COLUMBIA, WESTERN ARCTIC & GREAT-LAKES. TOPONOMY IN COASTAL BRITISH-COLUMBIA. NATURAL-RESOURCE CHARTING; SURVEY POSITIONING; OFFSHORE MINERAL RESOURCE DEVELOPMENT.
WARDLAW RL : THE EARTH'S SURFACE WIND IS SIMULATED IN LABORATORY WIND-TUNNELS FOR STUDYING URBAN WIND CLIMATE PROBLEMS AND THE EFFECT OF WIND ON BUILDINGS, BRIDGES, SURFACE VEHICLES AND OFFSHORE STRUCTURES.

OIL

BINGHAM DK : MONITORING OF INDUCED SEISMICITY IN THE AREAS OF HEAVY OIL EXTRACTION, ABANDONED COAL MINE (TURTLE-MOUNTAIN) & RESERVOIR (OLDMAN RIVER).
BROWN RGB : THE PELAGIC ECOLOGY OF SEABIRDS; THE EFFECTS OF OIL AND OTHER POLLUTANTS ON SEABIRDS.
COOK JD : ENVIRONMENTAL COORDINATION CONTACT FOR IMPERIAL OIL LIMITED, ITS OPERATING FUNCTIONS AND SUBSIDIARIES.
CREPIN J : PHYTOTOXIC EFFECTS OF HAZARDOUS-WASTES GENERATED BY THE OIL & NATURAL-GAS INDUSTRIES. CHEMICAL CHARACTERIZATION OF THESE WASTES. RECLAMATION OF WASTE TREATED SITES.
DRAPER DW : MANAGEMENT OF SCIENTIFIC INVESTIGATIONS AND POLLUTION-CONTROL TECHNOLOGY EVALUATION PROGRAMS FOR FOSSIL-FUELLED AND NUCLEAR POWER, AND OIL AND GAS PRODUCTION AND PROCESSING. DEVELOPMENT AND CONDUCT OF ENVIRONMENTAL-PROGRAMS FOR NEW ENERGY TECHNOLOGIES.
FINDLAY RL : RESEARCH IN ACID-DEPOSITION & ITS EFFECTS, FOREST & AGRICULTURE RECLAMATION; OIL & SALT WATER SPILL RECLAMATION; IMPACT-ASSESSMENT FOR OIL & GAS DEVELOPMENT; DECOMMISIONING PROGRAMS.

OIL

HADZIYEV D : OILSEED TECHNOLOGY & CEREAL SCIENCE, FRUIT & VEGETABLE PROCESSING; USE OF YAM & OTHER STARCHES IN BREADMAKING; POTATO PROCESSING: CHEMISTRY & BIOCHEMISTRY ASPECTS (PRESERVATION) OF VITAMINS, FLAVORING CONSTITUENTS, TAILORING OF OIL UPTAKE, STICKINESS IN DEHYDRATED MASHED POTATOES). CEREALS EXTENSION.
HRUDEY SE : INDUSTRIAL WASTE-MANAGEMENT, PETROLEUM, ORGANIC CHEMICAL, OIL-SANDS, FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION CONTROL; WATER RECLAMATION AND REUSE; HAZARDOUS TOXIC-WASTE, MANAGEMENT, DISPOSAL; INDUSTRIAL BIOTECHNOLOGY; ANAEROBIC TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT; RISK-ASSESSMENT; HAZARD IDENTIFICATION CONTROL.
LEE K : EVALUATION & DESIGN OF METHODS TO ENHANCE THE BIODEGRADATION OF PETROLEUM IN THE MARINE ENVIRONMENT. EFFECTS OF OIL DISPERSANTS ON MICROORGANISMS (BACTERIA & PHYTOPLANKTON). EFFECTS OF VANADIUM ON PHYTOPLANKTON PHYSIOLOGY & ECOLOGY.
LEVY EM : RESEARCH INTO THE FATE & EFFECTS OF OIL IN & ON MARINE ENVIRONMENT. GEOCHEMICAL STUDIES OF NATURAL SEEPAGE OF OIL & GAS FROM THE SEA BED. MICROBIOLOGICAL & CHEMICAL STUDIES OF OIL DEGRADATION. BACKGROUND LEVELS OF PETROLEUM IN THE MARINE ENVIRONMENT. PAH IN SEDIMENTS.
LINKERT WG : CHEMICAL-ANALYSIS OF SOP AIR FOR FUMES, SOLVENTS, & DUST ETC; TURBINE EXHAUST FOR NOX, WASTEWATER AND OIL FOR PCB.
MCKEOWN BA : ENVIRONMENTAL TOXICANTS OF FISH. HEAVY-METALS (ZINC, MERCURY, ALUMINUM), OIL, OIL DISPERSANTS, PESTICIDES, ACID-PRECIPITATION.
MOHTADI MF : CHEMICAL TRANSFORMATIONS AND DISPERSION OF SULPHUR-DIOXIDE IN THE ATMOSPHERE. DISPERSION AND MIGRATION OF SPILLED CRUDE OIL WITHIN SOIL AND POTENTIAL ENVIRONMENTAL HAZARDS OF OIL-SPILLS ON LAND.
RUEL M : DIRECTOR-GENERAL OF ENVIRONMENTAL PROTECTION BRANCH, ARM OF REGULATORY AGENCY, CANADA OIL AND GAS LANDS ADMINISTRATION. ENSURES ADEQUATE ATTENTION IS BEING PAID TO ENVIRONMENTAL FACTORS REGARDING OIL AND GAS EXPLORATION, DEVELOPMENT AND DIRECT STUDIES TO ACHIEVE THIS GOAL.
SHAWKI SM : SPECIALTY CHEMICALS & CHEMICAL SERVICES FOR WATER CLARIFICATION & POLLUTION-CONTROL FOR MUNICIPALITIES & INDUSTRIES SUCH AS MINING, PULP & PAPER, AUTOMOTIVE, METAL INDUSTRIES & OIL FIELD SERVICES.
SINGLETON GA : ACID-DEPOSITION: EFFECTS ON FORESTED SYSTEMS; RECLAMATION OF DISTURBANCES FROM SURFACE MINING, OIL-SANDS DEVELOPMENT & OIL & GAS INDUSTRIES; BIOTECHNOLOGY, RESOURCE INVENTORY & TECHNOLOGY-TRANSFER; GEOSCIENCE INVESTIGATIONS. TERRESTRIAL BASED RESEARCH.
SPRATT ED : RAINFOREST CLEARING IN INDONESIA USING CHEMICAL POISONING OF ECONOMICAL TREES THEN PLANTING FAST-GROWING CREEPING LEGUME VINES TO OVERTAKE THE UNDERGROWTH. P & K FERTILIZERS ARE NEEDED. GRADUAL TAKEOVER OF LEGUMES BY ECONOMICAL CROPS (IE. OIL PALM) USING TOP KILLERS TO CONTROL LEGUME UNDERGROWTH. STOPS SOIL EROSION IN TRANSITION FROM FOREST TO CROPS.

OIL-SANDS

DEVELOPMENT & RECLAMATION REVIEW : REGULATORY AGENCY: APPROVAL OF RECLAMATION PROGRAMS FOR COAL & OIL-SANDS PROJECTS.
ENGLISH M : DETERMINATION THROUGH AIRCRAFT MEASUREMENTS OF THE TRANSPORT, DIFFUSION & TRANSFORMATION RATES OF SULPHUR & NITRIC-OXIDES EMITTED FROM OIL-SANDS EXTRACTION PLANTS IN NORTHERN ALBERTA. STUDY OF THE EFFECT OF URBAN AIR-QUALITY ON VISIBILITY.
HRUDEY SE : INDUSTRIAL WASTE-MANAGEMENT, PETROLEUM, ORGANIC CHEMICAL, OIL-SANDS, FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION CONTROL; WATER RECLAMATION AND REUSE; HAZARDOUS TOXIC-WASTE, MANAGEMENT, DISPOSAL; INDUSTRIAL BIOTECHNOLOGY; ANAEROBIC TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT; RISK-ASSESSMENT; HAZARD IDENTIFICATION CONTROL.
SINGLETON GA : ACID-DEPOSITION: EFFECTS ON FORESTED SYSTEMS; RECLAMATION OF DISTURBANCES FROM SURFACE MINING, OIL-SANDS DEVELOPMENT & OIL & GAS INDUSTRIES; BIOTECHNOLOGY, RESOURCE INVENTORY & TECHNOLOGY-TRANSFER; GEOSCIENCE INVESTIGATIONS. TERRESTRIAL BASED RESEARCH.

OIL-SPILL

BOSTON NEJ : PHYSICAL OCEANOGRAPHY; AIR & SEA INTERACTION AND TURBULENCE; MICROMETEOROLOGY OIL-SPILL CONTINGENCY-PLANNING; PLANNING AND EXECUTION OF INTERNATIONAL RESEARCH PROGRAMS: TEACHING OF UNDERGRADUATE GRADUATE OCEANOGRAPHY COURSES; DEVELOPMENT OF OCEANOGRAPHY PROGRAMS FOR DEVELOPING-COUNTRIES AND UNIVERSITIES. RESOURCE DATA-BASE DEVELOPMENT. COMPUTERIZED RESOURCE & SENSITIVITY-MAPPING.
HUTCHINSON TC : ACID-RAIN STUDIES OF TERRESTRIAL-ECOSYSTEMS, HEAVY-METAL TOXICITY TO PLANTS AND ALGAE, ECOTOXICOLOGY OF NICKEL, COPPER, LEAD. EFFECTS OF SMELTERS. OIL-SPILL AND HYDROCARBON TOXICITY RESEARCH. ARCTIC AND BOREAL AREAS.
MACKAY D : ENVIRONMENTAL BEHAVIOUR & EFFECTS OF ORGANIC-CHEMICALS. OIL-SPILL BEHAVIOUR, EFFECTS & CLEAN-UP.
MANSFIELD BH : OIL-SPILL COUNTERMEASURES, HAZARDOUS MATERIAL SPILLS, CONTINGENCY-PLANNING FOR EMERGENCIES OF ALL TYPES. ENVIRONMENTAL EMERGENCY PREVENTION, ALERTING, REPORTING AND RESPONSE.
STILES DA : PESTICIDE-RESIDUE ANALYSIS BY FLAME SPECTROSCOPY, ALONG WITH OIL-SPILL DETERMINATIONS. CURRENT STUDIES ARE BEING APPLIED TO MARINE AND TERRESTRIAL ENVIRONMENTS.

OIL-SPILL

TEDESCHI ETT : DESIGN AND MANUFACTURE OF OIL-SPILL RESPONSE SYSTEMS. SELECTION OF BOOMS, SKIMMERS, SORBENTS, DISPERSANTS AND DELIVERY SYSTEMS TO MEET SPECIFIC SPILL SCENARIOS OF CONCERN TO CUSTOMER.

OIL-SPILLS

MOHTADI MF : CHEMICAL TRANSFORMATIONS AND DISPERSION OF SULPHUR-DIOXIDE IN THE ATMOSPHERE. DISPERSION AND MIGRATION OF SPILLED CRUDE OIL WITHIN SOIL AND POTENTIAL ENVIRONMENTAL HAZARDS OF OIL-SPILLS ON LAND.

OILSEEDS

ABRAMSON D : MYCOTOXINS IN STORED CEREALS & OILSEEDS: DEVELOPMENT MYCOLOGY, METHODS OF ANALYSIS; MYCOTOXIN METABOLISM IN LIVESTOCK; FUNGAL ODOUR ANALYSIS; MASS-SPECTROMETRY OF MYCOTOXINS & RELATED METABOLITES.

OISEAUX

DESGRANGES JL : ETUDES ECOLOGIQUES SUR LA PLUPART DES GROUPES D' OISEAUX DU CANADA. STRUCTURE DES COMMUNAUTES. SELECTION DE L' HABITAT. EFFETS DES PLUIES-ACIDES SUR LES OISEAUX LACUSTRES ET FORESTIERS.

OKANAGAN-VALLEY

KRUEGER RR : URBANIZATION OF FRUITLANDS (OKANAGAN-VALLEY, BRITISH-COLUMBIA & NIAGARA-FRUIT-BELT). RESPONSE OF QUEBEC ORCHARD-INDUSTRY TO LOW TEMPERATURE HAZARD.

OLIGOCHAETA

REYNOLDISON TB : USE OF OLIGOCHAETA AS INDICATORS OF TOXIC CONTAMINANT STRESS. THIS INVOLVES EXAMINATION OF INDIVIDUAL SPECIMENS FOR THE PRESENCE OF CHAETAL-DEFORMITIES. IDENTIFICATION OF THE ROLE OF TEMPERATURE & OXYGEN IN THE POPULATION-DYNAMICS OF OLIGOCHAETA IN LAKE ERIE.

OMBLE-DE-FONTAINE

MOREAU G : EFFETS DES PLUIES-ACIDES SUR LA FAUNE BENTHIQUE ET SUR LES POISSONS, EN PARTICULIER L' OMBLE-DE-FONTAINE (SALVELINUS-FONTINALIS). ECOLOGIE DES LACS DE RESERVOIRS.

ONTARIO

BRODO IM : TAXONOMY OF LICHENS, ESPECIALLY THE GENUS LECANORA AND STUDIES ON THE LICHENFLORA OF CANADA, ESPECIALLY BRITISH-COLUMBIA, ONTARIO & QUEBEC. SYSTEMATIC STUDIES OF VASCULAR PLANTS, BRYOPHYTES, LICHENS & ALGAE (SPECIES OCCURRING IN CANADA & ELSEWHERE IN NORTHERN HEMISPHERE); FLORISTIC STUDIES OF THESE & RARE & ENDANGERED-PLANTS IN CANADA.

BURGER D : FOREST LAND-CLASSIFICATION. EXPERTISE: TREE SPECIES, SITE RELATIONSHIPS (LOCAL & REGIONAL) SOILS, PHYSIOGRAPHY. PROJECTS: SITE REGIONS OF ONTARIO; FOREST ECOREGIONS NORTHEAST US; COMPARISON OF ECOLOGICAL CONDITIONS IN ONTARIO & NORTHEAST CHINA.

CHRISTIE WJ : FISH POPULATION-DYNAMICS. EFFECTS OF WEATHER, SEA LAMPREY, OVER-FISHING ON YIELDS FROM ECONOMICALLY IMPORTANT LAKE ONTARIO FISH-STOCKS. FISH COMMUNITY DYNAMICS; ANALYSIS OF HISTORICAL TRENDS IN LAKE ONTARIO; IDENTIFICATION OF STRESS EFFECTS. ECOSYSTEM STUDIES. STRATEGIC FISHING MANAGEMENT PLANNING.

DE'ATH CE : KOREA: RESEARCH ON POPULATION, AIR & WATER-QUALITY, NUCLEAR-WASTE, AGRICULTURE & INDUSTRIAL POLLUTION WILDLIFE. PAPUA-NEW-GUINEA: MANUS-ISLAND & FORESTRY DEVELOPMENT IMPACTS. CANADA: SOCIAL & ENVIRONMENTAL-ASSESSMENT (LAKE EUGENIA, NWT), ENERGY EDUCATION IN ONTARIO, MINING IN WINDIGO TRIBAL AREA OF NORTHERN ONTARIO.

DIMMA D : DETERMINES THE SENSITIVITY OF ONTARIO SOILS TO ACIDIC-PRECIPITATION. RESEARCH INCLUDES THE COLLECTION OF BASELINE SOIL INFORMATION, SIMULATED ACIDIC-PRECIPITATION EXPERIMENTS AND SOIL-BUFFERING CURVE EXPERIMENTS, AND THE ROLE THAT ACID-PRECIPITATION IS PLAYING IN MAPLE DECLINE IN ONTARIO.

DODD DJR : CONTROL OF GAS, LIQUID, SOLID-EMISSIONS FROM THERMAL & NUCLEAR GENERATING STATIONS IN ONTARIO. FOCUS ON FLY-ASH & ACID-GAS CONTROL SYSTEM WASTE-DISPOSAL LEACHING BEHAVIOUR. ACID-GAS CONTROL TECHNOLOGIES.

FORRESTAL BJ : REDUCTION, REUSE, RECYCLE, RECOVERY, EXCHANGE OF INDUSTRIAL-WASTES. REPORTS ON FOOD AND METAL FINISHING INDUSTRIES. LANDFILL GAS GENERATION. REGULATION COMPLIANCE CONSULTING AND TESTING. ENVIRONMENTAL SURVEYS. ONTARIO WASTE EXCHANGE OPERATION. NOVEL WASTE-TREATMENT USING PEAT.

ONTARIO

PEARSON RG : PRACTICAL RESEARCH & FIELD SURVEYS ON EFFECTS OF AIR-POLLUTANTS ON TERRESTRIAL-ECOSYSTEMS IN ONTARIO.
ROSA N : MONITORING OF RAIN PH FOR THE TOBACCO REGION OF SOUTHWESTERN ONTARIO TO ESTABLISH A REFERENCE POINT FOR CONTINUED MEASURE OF CHANGES AND EFFECTS UPON CROP PRODUCTION.
SCHEIDER WA : EFFECTS OF CONTAMINANTS ON BIOTA OF ONTARIO LAKES. CONTAMINANT FATE, PATHWAYS & EFFECTS ON AQUATIC SYSTEMS.
SIBUL U : WASTE-SITE INVENTORY & EVALUATION STUDIES IN ONTARIO. WASTE-SITE CLASSIFICATION. ACTIVE & CLOSED WASTE-SITE PROBLEM IDENTIFICATION & STUDIES.
SIMS RA : VEGETATION AND SITE-CLASSIFICATION OF BOREAL-FORESTS. SUBARCTIC WETLAND AND ARCTIC TUNDRA AREAS. FOREST-ECOSYSTEM CLASSIFICATION OF BOREAL NORTHERN ONTARIO. REMOTE-SENSING FOR VEGETATION STUDY; MAPPING AND INVENTORY (USING SATELLITE AND AERIAL-PHOTO DATA).
SMITH LF : EPIDEMIOLOGICAL-STUDIES: POPULATION BASED INFORMATION-SYSTEMS FOR ONTARIO INCLUDING CANCER & REPRODUCTIVE OUTCOMES, POPULATION MONITORING FOR LEAD & PCBS. OUTBREAK INVESTIGATIONS.

OPTICS

CARSWELL AI : LIDAR (LASER RADAR) DIAGNOSTICS OF THE ATMOSPHERE REMOTE-SENSING, ATMOSPHERIC OPTICS, LASER BEAM PROPAGATION AND SCATTERING IN THE ATMOSPHERE.

ORCHARD-INDUSTRY

KRUEGER RR : URBANIZATION OF FRUITLANDS (OKANAGAN-VALLEY, BRITISH-COLUMBIA & NIAGARA-FRUIT-BELT). RESPONSE OF QUEBEC ORCHARD-INDUSTRY TO LOW TEMPERATURE HAZARD.

ORCHIDS

HARMS VL : TAXONOMY AND PHYTOGEOGRAPHY OF THE VASCULAR PLANT FLORA OF SASKATCHEWAN AND ADJACENT REGIONS. PHYTOGEOGRAPHY OF SASKATCHEWAN RARE PLANTS. TAXONOMY OF HETEROTHECA (COMPOSITAE), (SPARGIANACEAE), PETASITES (COMPOSITAE), AND NORTHERN PLAINS GRASSES, (GRAMINEAE) AND ORCHIDS (ORCHIDAICEA).

ORES

IVARSON KC : STUDY THE TRANSFORMATION OF IRON & MANGANESE BY SOIL MICROBES; THE RELEASE OF ELEMENTS FROM MINING ORES BY MICROBES; THE PRODUCTION OF PROTEIN & ALCOHOL FROM WASTES BY MICROBES.
RITCEY GM : PROCESS OF URANIUM AND BASE-METAL ORES WHERE THE ENVIRONMENTAL CONSIDERATIONS OF TAILINGS EFFLUENTS WERE CONSIDERED. RECENTLY DEVOTED TO URANIUM AND SULPHIDE TAILINGS, TO PREDICT THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH THE TAILINGS WITH TIME. MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK WILL BE EXTENDED TO MATERIALS TO INHIBIT OXIDATION.
THOMPKINS RW : DEVELOPED A METHOD TO MEASURE RADIOACTIVE CHARACTERISTICS OF URANIUM FROM CORE OR HAND SIZED SPECIMENS OF URANIUM ORES. FROM THESE MEASUREMENTS SAFE ENVIRONMENTAL LIMITS, COMPARATIVE MINE DESIGNS CAN BE MADE & THE ECONOMICS OF MINING ASSESSED EARLY IN THE MINE PLANNING STAGE.

ORGANELLAR

PITEL JA : PHYSIOLOGY & BIOCHEMISTRY OF SEED GERMINATION, SEED DORMANCY & SEED STORAGE PROBLEMS OF FOREST TREE SPECIES. STUDIES ON DNA: STRUCTURE & FUNCTION OF ORGANELLAR & NUCLEAR DNA. DNA CLONING, SEQUENCING ETC.

ORGANIC-CHEMICALS

HODSON PV : FISH TOXICOLOGY: QUANTITATIVE STRUCTURE ACTIVITY, RELATIONSHIPS FOR ORGANIC-CHEMICALS. DEVELOPMENT OF DIAGNOSTIC TOOLS FOR FISH MONITORING BASED ON BIOCHEMICAL RESPONSES. DEVELOPMENT OF WATER-QUALITY OBJECTIVES.
MACKAY D : ENVIRONMENTAL BEHAVIOUR & EFFECTS OF ORGANIC-CHEMICALS. OIL-SPILL BEHAVIOUR, EFFECTS & CLEAN-UP.
ZITKO V : DETECTION, IDENTIFICATION, MEASUREMENT, EFFECTS OF CHEMICALS ON AQUATIC-BIOTA. MASS-SPECTROMETRY, ENVIRONMENTAL MODELLING, TOXICOLOGY, ORGANIC-CHEMICALS.

ORGANIC-CHEMISTRY

ORGANIC-CHEMISTRY

AHMAD I : METHODS DEVELOPMENT & TRACE RESIDUE ANALYSIS OF PESTICIDES (HERBICIDES, INSECTICIDES, PLANT GROWTH REGULATORS), METABOLITES, PCBS, ORGANICS IN ENVIRONMENTAL & AGRICULTURAL MATRICES. ORGANIC SYNTHESIS. REACTIONS IN ORGANIC-CHEMISTRY.

SEIF F : ORGANIC-CHEMISTRY. ENVIRONMENTAL-PROTECTION PARTICULARLY RELATED TO AIR AND WASTE-MANAGEMENT. ENVIRONMENTAL-MANAGEMENT; R&D ENVIRONMENTAL SCIENCES; ENVIRONMENTAL-AUDITING.

ORGANIC-COMPOUNDS

ALLY AI : CARDIOVASCULAR PHARMACOLOGY & TOXICOLOGY: EFFECTS OF ORGANIC METALS ON CARDIAC, BLOOD VESSEL & PLATELET FUNCTION, EMPHASIS ON MECHANISMS OF ACTION: EFFECTS OF NATURAL & MAN-MADE ORGANIC-COMPOUNDS ON PERIPHERAL SYMPATHETIC NERVOUS-SYSTEM & ON CICOSANOID & LEUKOTRIENE-BIOSYNTHESIS & FUNCTION. NEUROCHEMICAL CHARACTERIZATION OF EFFECTS ON CENTRAL NERVOUS-SYSTEM WITH FOCUS ON BIOGENIC AMINES.

HAY GW : ANALYSIS OF ORGANIC CONSTITUENTS OF SOIL & SURFACE & MARINE WATERS WITH EMPHASIS ON CARBONHYDRATES & S- & N- CONTAINING ORGANIC-COMPOUNDS.

POLAND JS : ANALYSIS OF TRACE-METALS AND TOXIC ORGANIC-COMPOUNDS IN THE ENVIRONMENT. ENVIRONMENTAL-HEALTH AND SAFETY AND RELATIONSHIPS BETWEEN TRACE-ELEMENTS AND HEALTH AND NUTRITION.

SHARIFF AJ : MONITOR TRACE LEVELS OF LOW MOLECULAR WEIGHT ORGANIC-COMPOUNDS IN INDUSTRIAL WASTEWATERS & RECEIVING MEDIA BY APPLICATION & MODERN ANALYTICAL TECHNIQUES. SPECIALIZATION IN ENVIRONMENTAL IMPACT OF PULP & PAPER MILL EFFLUENTS.

SLATER GP : DETERMINATION OF VOLATILE ORGANIC-COMPOUNDS (POLLUTANTS OR NATURALLY OCCURRING) IN WATER. DETERMINATION OF VOLATILE PLANT PRODUCTS. ANALYSIS BY GAS-CHROMATOGRAPHY, MASS-SPECTROSCOPY. AGRICULTURE WASTE-TREATMENT.

ORGANIC-WASTES

MCKYES E : SOIL MECHANICS FOR AGRICULTURAL ENGINEERING INCLUDING SOIL-CUTTING ANALYSES. THEORIES OF SOIL-CUTTING AND TILLAGE, TILLAGE TOOL DESIGN, FOUNDATIONS. DIGESTION, SEPARATION & LAND DISPOSAL OF ORGANIC-WASTES. MACHINE DESIGN.

ODA A : PREPARE GUIDELINES FOR TREATMENT & DISPOSAL OF SOLID ORGANIC-WASTES ON AGRICULTURAL LANDS. DEVELOP EXPERTISE ON WASTE-MANAGEMENT TECHNIQUES RELATED TO PHYSICAL & CHEMICAL TREATMENT, SOLIDIFICATION, MEMBRANE SEPARATION ETC. INVESTIGATE METHODS FOR THE MANAGEMENT OF LEACHATE FROM MUNICIPAL LANDFILL SITES.

ORGANICS

AHMAD I : METHODS DEVELOPMENT & TRACE RESIDUE ANALYSIS OF PESTICIDES (HERBICIDES, INSECTICIDES, PLANT GROWTH REGULATORS), METABOLITES, PCBS, ORGANICS IN ENVIRONMENTAL & AGRICULTURAL MATRICES. ORGANIC SYNTHESIS. REACTIONS IN ORGANIC-CHEMISTRY.

CHAU YK : STUDIES ON FORMATION, FATE & TOXICITY OF ORGANOMETALS IN THE ENVIRONMENT SUCH AS ALKYLEAD ORGANOTIN COMPOUNDS. DEVELOPMENT OF SENSITIVE & SPECIFIC TECHNIQUES FOR SPECIATION OF ORGANOMETALS. INTEGRATION OF METALS & ORGANICS IN AQUATIC SYSTEMS.

GUEVREMONT R : REFERENCE MATERIALS PREPARATION AND ANALYSIS, TRACE ANALYTICAL METHODS FOR ORGANICS AND METALS IN MARINE SAMPLES. METHODS AND INSTRUMENTATION FOR GFAAS AND ICP EMISSION SPECTROMETRY. MICROPROCESSORS FOR CONTROL OF HARDWARE AND DATA ACQUISITION.

KNETTIG E : ANAEROBIC BIODEGRADATION OF CHLOROPHENOLS. DECHLORINATION OF DIFFERENT ISOMERS & POSSIBLE MINERALIZATION. ACTIVATED CARBON ADSORPTION OF ORGANICS FOR TREATING WASTEWATER EFFLUENTS & DRINKING-WATER.

KRZYMIEN ME : TRACE ANALYSIS OF ORGANIC AIR-POLLUTANTS. SAMPLE PRECONCENTRATION FOR ANALYSIS OF TRACE ORGANICS IN AIR. IDENTIFICATION OF EMISSIONS FROM SYNTHETIC BUILDING MATERIALS.

LANE DA : PHOTODECOMPOSITION OF (PAH) DATA-BASE; POLYCYCLIC-AROMATIC-HYDROCARBONS. DESORPTION OF ORGANICS FROM PARTICULATE MATTER; TRACE AND ULTRA-TRACE ANALYSIS OF GAS AND PARTICULATE PHASE TOXIC-COMPOUNDS; MASS-SPECTROMETRY (MS); TRIPLE QUADRUPOLE MS; ATMOSPHERIC PRESSURE CHEMICAL IONIZATION MS; MOBILE MS.

LEE DR : GROUNDWATER CONTAMINANT FLUX TO SURFACE-WATERS, IDENTIFICATION OF GROUNDWATER DISCHARGE ZONES, STUDIES OF RADIONUCLIDE MIGRATION IN POROUS MEDIA TOXICITY OF METALS AND SYNTHETIC ORGANICS TO AQUATIC LIFE.

MOON KS : SURFACE CHEMISTRY IN WASTEWATER CLEANING, DESULPHURIZATION OF COAL, MINERAL PROCESSING, FLOCCULATION, FILTRATION, DEWATERING, SETTLING AND DRYING; CRYSTAL CHEMISTRY IN SURFACTANT ADSORPTION AND DESORPTION; AND VARIOUS SOLUTION CHEMISTRY OF ORGANICS AND INORGANIC MATERIALS.

OLIVER BG : PATHWAYS OF ORGANIC CONTAMINANTS IN AQUATIC ENVIRONMENT, BIOCONCENTRATION & BIOACCUMULATION OF ORGANICS BY FISH, BY-PRODUCTS OF DRINKING-WATER CHLORINATION.

SNODGRASS WJ : RESEARCH INTO SEDIMENT WATER TRANSFER OF CONTAMINANTS (CHLORINATED ORGANICS, HEAVY-METALS, RADIONUCLIDES, ALKALINITY). WATER & WASTEWATER-TREATMENT PROCESSES. RADIOLOGICAL IMPACT OF NUCLIDE RELEASES.

THORPE JW : ANALYSIS OF ORGANICS AND INORGANICS IN NATURAL AND PROCESS WATERS; EVALUATION OF INDOOR AIR-QUALITY IN HOMES AND OFFICES; ON-LINE ANALYSIS OF SUB-PPM LEVELS OF HYDROGEN-SULPHIDE IN WATER.

ORGANICS

ORGANISMS

CARLISLE DB : EFFECTS OF WATER-CONTAMINATION ON THE PHYSIOLOGY OF AQUATIC ORGANISMS.
D'AURIA JM : DEVELOPMENT OF USE OF BIOLOGICAL ORGANISMS AS SENTINEL INDICATORS OF HEAVY ELEMENT POLLUTANTS IN THE ENVIRONMENT. USE OF XRF TO MEASURE TRACE-ELEMENTS IN BIOLOGICAL AND ENVIRONMENTAL SAMPLES.
DINGLE AD : STUDY OF AMEOBO-FLAGELLATE-PROTOZOANS & THEIR POTENTIAL PATHOGENICITY TO INVERTEBRATE & VERTEBRATE ORGANISMS.
DOANE JF : BIOLOGY, BEHAVIOUR AND CONTROL OF WIREWORMS, GROUND BEETLES AND OTHER SOIL INSECTS. IMPACT OF PESTICIDES ON NON-TARGET ORGANISMS PARTICULARLY IN CROP ECOSYSTEMS.
HAYA K : AQUATIC TOXICOLOGY: BIOCHEMICAL INDICATORS OF SUBLETHAL EFFECTS CAUSED BY POLLUTANTS IN AQUATIC ORGANISMS, PARTICULARLY PARAMETERS OF INTERMEDIARY ENERGY METABOLISM.
HOWARD TE : INDUSTRIAL-HYGIENE. ENVIRONMENTAL HEALTH STUDIES. AIR-POLLUTION STUDIES: IMPACT OF AIR EMISSIONS, ACID-RAIN, ODOUR CONTROL. MODELLING ATMOSPHERIC DISPERSION OF AIR-POLLUTANTS. WATER STUDIES. UPTAKE OF METALS BY AQUATIC ORGANISMS. BIOASSAYS. WASTEWATER-TREATMENT. REMOTE-SENSING. LANDFILL LEACHATE CONTROL.
KHALIL M : ORGANIC GEOCHEMISTRY OF SURFACE SEDIMENTS. ESTUARINE POLLUTION STUDIES INCLUDING THE CONTAMINATION OF MARINE ORGANISMS BY ORGANOHALOGENATED-COMPOUNDS AND POLYAROMATIC-HYDROCARBONS. TOXICOLOGICAL STUDIES OF INDUSTRIAL POLLUTANTS AND THEIR INTRODUCTION IN THE MARINE FOOD-CHAIN.
MILLER DR : DISTRIBUTION AND TRANSPORT OF TOXIC-CHEMICALS IN THE ENVIRONMENT, AND THEIR EFFECTS ON ECOSYSTEMS AND ORGANISMS INCLUDING MAN; MODELLING OF TRANSPORT PROCESSES; HAZARD ASSESSMENT OF ENVIRONMENTAL CONTAMINANTS.
RYAN PM : FRESHWATER BIOLOGY. FACTORS DETERMINING THE ABUNDANCE AND DISTRIBUTION OF FRESHWATER ORGANISMS. GENERAL LIMNOLOGY. AQUATIC ECOLOGY.
SPENCER MS : ETHYLENE IN THE ENVIRONMENT; FACTORS CONTROLLING BIOLOGICAL ETHYLENE PRODUCTION; EFFECTS OF ETHYLENE ON LIVING ORGANISMS. ETHYLENE CARBON-DIOXIDE INTERACTIONS INCLUDING EFFECTS OF DIFFERENT CARBON-DIOXIDE LEVELS ON ETHYLENE PRODUCTION & ACTION IN BIOLOGICAL SYSTEMS.
SPRAGUE JB : WATER-POLLUTION BIOLOGY. EFFECTS OF TOXICANTS, ESPECIALLY METALS, ON AQUATIC ORGANISMS.
SUNDARAM KMS : CHEMODYNAMICS OF POLLUTANTS AND THEIR FATE IN THE ENVIRONMENT INCLUDING THEIR TOXICITY TO VARIOUS ORGANISMS.
THOMPSON JAJ : BIOGEOCHEMISTRY OF HEAVY-METALS RELATED TO INDUSTRIAL SOURCES: MINES, URBAN CENTRES. CHEMISTRY OF METAL BINDING PROTEINS. CHEMISTRY OF THERMAL VENT ORGANISMS.
VANDERMEULEN JH : RESEARCH: PHYSIOLOGICAL & BIOCHEMICAL, POLLUTION STRESS IN AQUATIC ORGANISMS PRIMARILY FROM PETROLEUM HYDROCARBONS. PHYSICAL & CHEMICAL, FATE & DISPOSITION OF PETROLEUM HYDROCARBONS IN COASTAL SEDIMENTS. COASTAL ZONE POLLUTION & MANAGEMENT.
WONG SL : ASSESS THE IMPACT OF TOXIC SUBSTANCES ON BIOTA IN BOTH SURFACE-WATERS & INDUSTRIAL WASTEWATERS USING ASSAY TECHNIQUES WITH ALGAE & ZOOPLANKTON AS TEST ORGANISMS.

ORGANOCHLORINE

BANAS WP : AQUATIC TOXICOLOGY & CHEMICAL FATE INVESTIGATIONS. TOXICITY TESTING OF INDUSTRIAL EFFLUENTS (PULP & PAPER, MINING, STEEL MANUFACTURING). DEVELOPMENT OF A WATER-QUALITY AQUATIC ENVIRONMENT. TOXICITY OBJECTIVE REGARDING ALUMINUM IN THE EVALUATIONS OF PESTICIDES (ORGANOCHLORINE & ORGANOPHOSPHATE) & HEAVY-METALS USING RAINBOW-TROUT IN FLOW THROUGH & STATIC BIOASSAYS.
CURRIE RA : MONITORING OF FOODS FOR PESTICIDE RESIDUES INCLUDING ORGANOCHLORINE AND ORGANOPHOSPHORUS INSECTICIDES AND VARIOUS HERBICIDES.
WESTCOTT ND : DEVELOPMENT OF PROCEDURES FOR THE EXTRACTION AND ANALYSIS OF ORGANOCHLORINE, ORGANOPHOSPHORUS, CARBAMATE AND PYRETHROID INSECTICIDES IN PLANTS, WATER, SOIL AND INSECTS. DETERMINE THE PERSISTENCE OF INSECTICIDE IN PLANTS, WATER, SOIL OR INSECTS UNDER LABORATORY OR FIELD CONDITIONS.

ORGANOCHLORINES

HARDING GCH : LARVAL ECOLOGY OF NORTH-AMERICAN LOBSTER. THE VERTICAL MIGRATION OF ZOOPLANKTON. THE DYNAMICS OF ORGANOCHLORINES IN MARINE ZOOPLANKTON.

ORGANOHALOGENATED-COMPOUNDS

KHALIL M : ORGANIC GEOCHEMISTRY OF SURFACE SEDIMENTS. ESTUARINE POLLUTION STUDIES INCLUDING THE CONTAMINATION OF MARINE ORGANISMS BY ORGANOHALOGENATED-COMPOUNDS AND POLYAROMATIC-HYDROCARBONS. TOXICOLOGICAL STUDIES OF INDUSTRIAL POLLUTANTS AND THEIR INTRODUCTION IN THE MARINE FOOD-CHAIN.

ORGANOPHOSPHATES

AKHIAR H : SYNTHESIS, METABOLISM OF PESTICIDES (ORGANOPHOSPHATES, SYNTHETIC PYRETHROIDS) IN POULTRY AND FARM ANIMALS. DEVELOPMENT OF ANALYTICAL TECHNIQUES FOR DETERMINATION OF TRACES OF PESTICIDES AND METABOLITES IN MILK, URINE, FECES, EGGS AND TISSUES.

ORGANOTIN

CHAU YK : STUDIES ON FORMATION, FATE & TOXICITY OF ORGANOMETALS IN THE ENVIRONMENT SUCH AS ALKYLEAD ORGANOTIN COMPOUNDS. DEVELOPMENT OF SENSITIVE & SPECIFIC TECHNIQUES FOR SPECIATION OF ORGANOMETALS. INTEGRATION OF METALS & ORGANICS IN AQUATIC SYSTEMS.

ORME

OUELLETTE GB : PATHOLOGIE VEGETALE (SPECIALITE FORESTIERE): FLETRISSEMENTS-FONGIQUES (ORME, TOMATE, AUBERGINE). RELATIONS HOTE-PATHOGENE AU MOYEN: TECHNIQUES MICROSCOPIE ELECTRONIQUE (TRANSMISSION ET BALAYAGE ET MICROANALYSE) & IMMUNOCYCYTOCHIMIQUES. DETECTION DE SUBSTANCES ANTIFONGIQUES OU TOXIQUES. MYCOLOGIE.

ORNITHOLOGY

MCNICHOLL MK : ORNITHOLOGY. ECOLOGICAL & BEHAVIOURAL ASPECTS OF BIRD BIOLOGY. BREEDING BIOLOGY & ECOLOGY OF FORSTER'S-TERNS & OTHER MARSH NESTING SPECIES. SOCIAL ORGANIZATION AND BEHAVIOUR OF BLUE-GROUSE. NESTING STUDIES OF COMMON NIGHTHAWKS.

PRICE I : COORDINATING CANADIAN WILDLIFE SERVICE PROGRAM OF CONTACT WITH LATIN-AMERICAN WILDLIFE AGENCIES; ORNITHOLOGY: RAPTORS. LOONS. HERONS. NON-GAME PROGRAM COORDINATOR FOR CANADIAN WILDLIFE SERVICE.

ZAMMUTO RM : RELATIONSHIPS AMONG VARYING ENVIRONMENTAL CONDITIONS AND LIFE-HISTORIES OF BIRD AND MAMMAL POPULATIONS IN MONTANE OR BOREAL AREAS. TERRESTRIAL-ECOLOGY, ZOOLOGY, SURVIVAL, WILDLIFE, NON-GAME, REPRODUCTION, ORNITHOLOGY, WEATHER, BIOMETEOROLOGY, BIOMETRICS, BOREAL, CLIMATE, CONSERVATION, METEOROLOGY, MAMMAL POPULATION.

OUTDOOR

BAKER WM : TOURIST PARK AND OUTDOOR RECREATION PLANNING (POLICY STRATEGY PROGRAM, PROJECT INCLUDING BASIC NATURAL AND HISTORIC CULTURAL SUPPLY AND INFRASTRUCTURE ASSESSMENT, MARKETING, FINANCIAL AND MANAGEMENT PLANNING, PERFORMANCE EVALUATION, ENVIRONMENTAL-IMPACT-ASSESSMENT RELATIVE TO THE AMENITY ASPECTS OF RESOURCE VALUES NATIVE (INDIAN & INUIT) TOURISM PROGRAM & PROJECT PLANNING AND DEVELOPMENT.

EAGLES PFJ : AUTHORITY IN ENVIRONMENTALLY SENSITIVE AREA PLANNING AND MANAGEMENT, PARK PLANNING, OUTDOOR EDUCATION AND ENVIRONMENTAL-ASSESSMENT.

KARIEL HG : NOISE IN OUTDOOR RECREATIONAL ENVIRONMENTS; ENVIRONMENTAL PERCEPTION, SOCIO-CULTURAL AND ENVIRONMENTAL CHANGE ASSOCIATED WITH TOURISM; DIFFUSION OF IDEAS AND ARTIFACTS.

SILVERMAN F : RESPIRATORY EFFECTS OF AIR-POLLUTION ON ASTHMATIC AND HEALTHY NON-ASTHMATICS: A) CONTROLLED HUMAN EXPOSURES IN AN ENVIRONMENTAL CHAMBER (OZONE, SULPHUR-DIOXIDE, CIGARETTE-SMOKE), B) DAILY VARIATIONS IN EXPOSURE (INDOOR, OUTDOOR AND PERSONAL MONITORING).

OUTFALL

KOHLI B : PHYSICAL LIMNOLOGY; HYDRODYNAMIC-MODELLING & WATER-QUALITY SIMULATION, SEDIMENT. TRANSPORT, DISPERSION & DIFFUSION PROCESSES. ASSESSMENTS AND OPTIMIZATION OF SEWAGE OUTFALL (SUBMERGED DIFFUSERS) AND WATER INTAKE. LAKE HARBOUR EXCHANGE PROCESSES.

PALMER MD : WATER-QUALITY STUDIES AND PREDICTION MODELLING; BEACH BACTERIA CONTAMINANT MANAGEMENT STUDIES; OUTFALL AND INTAKE STUDIES AND DESIGN; DISPERSION AND TRANSPORT IN COASTAL REGIONS; HAZARDOUS-CHEMICALS MIXING ZONE PREDICTIONS AND RISK-ASSESSMENT; WATER-QUALITY MANAGEMENT PLANNING MODELS.

OVER-FISHING

CHRISTIE WJ : FISH POPULATION-DYNAMICS. EFFECTS OF WEATHER, SEA LAMPREY, OVER-FISHING ON YIELDS FROM ECONOMICALLY IMPORTANT LAKE ONTARIO FISH-STOCKS. FISH COMMUNITY DYNAMICS; ANALYSIS OF HISTORICAL TRENDS IN LAKE ONTARIO; IDENTIFICATION OF STRESS EFFECTS. ECOSYSTEM STUDIES. STRATEGIC FISHING MANAGEMENT PLANNING.

OVERWINTERING

MAURER AR : EXTENSION OF THE VEGETABLE GROWING SEASON BY: SELECTION OF COLD TOLERANT CULTIVARS; OVERWINTERING OF CROPS IN THE FIELD AND USE OF CROP PROTECTANTS SUCH AS FLOATING MULCHES, PLASTIC-TUNNELS ETC.
RING RA : ECOLOGY AND PHYSIOLOGY OF OVERWINTERING BIOLOGY IN ARCTIC AND ALPINE-INSECTS. ECOLOGY OF INTERTIDAL INSECTS. USE OF PHEROMONES IN INSECT-CONTROL.
TURNOCK WJ : POPULATION-DYNAMICS OF INSECTS. NATURAL & BIOLOGICAL CONTROL OF INSECTS. COLD-HARDINESS & OVERWINTERING OF INSECTS. SAMPLING INSECT POPULATIONS.

OWLS

BIRD DM : RESEARCH ON THE BIOLOGY OF BIRDS OF PREY (FALCONS, EAGLES, HAWKS, OWLS). RESPONSIBLE FOR MANAGEMENT OF A COLONY OF CAPTIVE FALCONS WITH WHICH RESEARCH ON TOXICOLOGY, AUTRITIEN BEHAVIOUR, ECOLOGY, PHYSIOLOGY ETC. IS CONDUCTED. ALSO FIELD STUDIES.

OXIDANT

LEY BE : AIR-QUALITY MODELLING INCLUDING SMALL SCALE, MESOSCALE & LONG-RANGE TRANSPORT OXIDANT SIMULATION, MESOSCALE METEOROLOGICAL MODELLING FOR APPLICATION IN AIR-POLLUTION STUDIES. LONG-RANGE-TRANSPORT MODELLING EMPLOYING LAGRANGIAN MODELS.

OXIDANTS

ANLAUF K : MEASUREMENT OF AMBIENT ATMOSPHERIC-POLLUTANTS RELATED TO ACIDIC-PRECIPITATION, OXIDANTS & SMOG. OXIDATION OF SULPHUR-DIOXIDE TO SULPHATE & NITROGEN-DIOXIDE TO NITRIC-ACID; ATMOSPHERIC PARTICULATE MATTER & ITS MEASUREMENT. TRANSPORT OF AIR-POLLUTION & ITS CHEMICAL TRANSFORMATION. OZONE.
LUSIS MA : ACIDIC-DEPOSITION (WET & DRY). TOXICS DEPOSITION (PCBS, PESTICIDES, PAHS, DIOXINS). OXIDANTS. ATMOSPHERIC-CHEMISTRY & DISPERSION. MATHEMATICAL-MODELLING OF LRTAP.
PUPP C : ENVIRONMENTAL ANALYTICAL-CHEMISTRY. AIR-MONITORING. REVIEW & SYNOPSIS OF GROUNDWATER CONTAMINATION & USE; AIR OXIDANTS AND AIR OXIDANTS AND TOXICS.
SCHIFF H : MEASUREMENT OF ATMOSPHERIC GASES. ATMOSPHERIC-CHEMISTRY. OZONE DEPLETION. ACID-DEPOSITION. PHOTOCHEMICAL OXIDANTS & SMOG. GLOBAL CLIMATE INFLUENCED BY ATMOSPHERIC-CHEMISTRY.
YOUNG JWS : LRTAP, TOXIC-CHEMICALS, ENERGY, NORTH, GREAT-LAKES WATER-QUALITY, AIR-QUALITY, CLIMATE CHANGE, OXIDANTS. MAIN FOCUS IS THE ATMOSPHERIC PATHWAY PORTION OF THESE AREAS.

OXIDATION

ANLAUF K : MEASUREMENT OF AMBIENT ATMOSPHERIC-POLLUTANTS RELATED TO ACIDIC-PRECIPITATION, OXIDANTS & SMOG. OXIDATION OF SULPHUR-DIOXIDE TO SULPHATE & NITROGEN-DIOXIDE TO NITRIC-ACID; ATMOSPHERIC PARTICULATE MATTER & ITS MEASUREMENT. TRANSPORT OF AIR-POLLUTION & ITS CHEMICAL TRANSFORMATION. OZONE.
LACOURSIERE JP : OXIDATION CATALYTIQUE DU SULFURE-D'HYDROGENE EN PHASE AQUEUSE.
NICHOLSON RV : GEOCHEMICAL MODELLING & GROUNDWATER CONTAMINATION. RESEARCH INCLUDES SULPHIDE MINERAL OXIDATION & ACID GENERATION, CHEMICAL EVOLUTION OF URANIUM MILL-TAILINGS, MODELLING ACID GENERATION, OXYGEN TRANSPORT IN SUBSURFACE (TAILINGS) & EQUILIBRIUM & KINETIC MODELLING OF GEOCHEMICAL PROCESS.
RITCEY GM : PROCESS OF URANIUM AND BASE-METAL ORES WHERE THE ENVIRONMENTAL CONSIDERATIONS OF TAILINGS EFFLUENTS WERE CONSIDERED. RECENTLY DEVOTED TO URANIUM AND SULPHIDE TAILINGS, TO PREDICT THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH THE TAILINGS WITH TIME. MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK WILL BE EXTENDED TO MATERIALS TO INHIBIT OXIDATION.
ROBEY HL : INDUSTRIAL LIQUID AND SOLID WASTE-TREATMENT AND RECOVERY. WET AIR OXIDATION AND HIGH TEMPERATURE & PRESSURE CYANIDE HYDROLYSIS PROCESS APPLICATIONS RESEARCH. PROCESS DESIGN AND START-UP OF FULL SCALE SYSTEMS.

OXIDES

KNOWLES R : MICROBIOLOGICAL NITROGEN TRANSFORMATIONS IN THE ENVIRONMENT, INCLUDING N2-FIXATION, NITRIFICATION, DENITRIFICATION OF N OXIDES. AQUATIC AND TERRESTRIAL SYSTEMS.

OXYGEN

ARCHIBALD FS : MICROBIAL ACQUISITION AND METABOLISM OF METALS. FERMENTATION, GROWTH, AND OXYGEN SENSITIVITY OF MICROORGANISMS.

OXYGEN

BARICA J : LIMNOLOGY OF EUTROPHIC LAKES: NUTRIENT AND OXYGEN REGIMES, FORMATION OF ALGAL BLOOMS: CYANOPHYTA ECOLOGY, ALGAL CONTROL, PREDICTIONS OF LAKE PRODUCTIVITY; CAUSES AND REMEDIES OF MASSIVE FISH MORTALITIES (SUMMER AND WINTER FISH KILLS); NUTRIENT CONTAMINANTS INTERACTIONS; LAKE RESTORATION.

BROWN RM : ISOTOPE HYDROLOGY BASED ON VARIATIONS OF ENVIRONMENTAL HYDROGEN, CARBON, OXYGEN, URANIUM ISOTOPES. MEASUREMENT OF ENVIRONMENTAL 3H, 14C. DEVELOPMENT OF SAMPLE PREPARATION TECHNIQUES FOR ACCELERATOR 14C DATING.

CORNETT RJJ : TRANSPORT OF TRACE-ELEMENTS THROUGH AQUATIC SYSTEMS. BIOACCUMULATION OF RADIONUCLIDES MODELLING OXYGEN CONCENTRATIONS IN LAKES. ROLE OF GROUNDWATER INPUTS IN DETERMINING STREAM WATER CHEMISTRY.

HOUSTON AH : RESPIRATORY ADAPTATIONS TO TEMPERATURE AND OXYGEN AVAILABILITY, HEMOGLOBIN OXYGEN AFFINITY MODULATORS, EFFECTS OF WATERBORNE POLLUTANTS ON ADAPTIVE CAPABILITY.

JONES EP : CHEMICAL OCEANOGRAPHY RESEARCH, PRIMARILY INVOLVING NUTRIENTS, OXYGEN, ALKALINITY, CARBONATE AND FREONS. AREAS STUDIED INCLUDE ARCTIC OCEAN, BAFFIN-BAY, CANADIAN ARCHIPELAGO, LABRADOR-SEA AND NORTH ATLANTIC OCEAN.

NICHOLSON RV : GEOCHEMICAL MODELLING & GROUNDWATER CONTAMINATION. RESEARCH INCLUDES SULPHIDE MINERAL OXIDATION & ACID GENERATION, CHEMICAL EVOLUTION OF URANIUM MILL-TAILINGS, MODELLING ACID GENERATION, OXYGEN TRANSPORT IN SUBSURFACE (TAILINGS) & EQUILIBRIUM & KINETIC MODELLING OF GEOCHEMICAL PROCESS.

OLDHAM KB : APPLICATION OF ELECTROCHEMICAL METHODS TO CHEMICAL-ANALYSIS, EG. DISSOLVED OXYGEN. METHODOLOGY FOR ACCESSING BATTERY PERFORMANCE. MATHEMATICAL-MODELLING.

RANDALL DJ : CARBON-DIOXIDE & OXYGEN TRANSFER & ACID-BASE REGULATION IN FISH & AMPHIBIA. INTERACTIONS BETWEEN AMMONIA, CARBON-DIOXIDE & ION MOVEMENT ACROSS FISH GILLS. STUDIES ON FISH & AMPHIBIAN ERYTHROCYTE INTRACELLULAR PH REGULATION.

REYNOLDISON TB : USE OF OLIGOCHAETA AS INDICATORS OF TOXIC CONTAMINANT STRESS. THIS INVOLVES EXAMINATION OF INDIVIDUAL SPECIMENS FOR THE PRESENCE OF CHAETAL-DEFORMITIES. IDENTIFICATION OF THE ROLE OF TEMPERATURE & OXYGEN IN THE POPULATION-DYNAMICS OF OLIGOCHAETA IN LAKE ERIE.

OXYGENE

AUCLAIR JC : HYDROBIOLOGIE; ECOLOGIE-AQUATIQUE; ECOSYSTEME AQUATIQUE; EUTROPHISATION; POLLUTION-EAU; LIMNOLOGIE; LAC ACIDIFICATION, PRECIPITATIONS-ACIDES LAC; ALGUE PLANCTON; PHYTOPLANCTON; CHLOROPHYLLE; OXYGENE DISSIUS; MATIERE ORGANIQUE; PHOSPHATE; PHOSPHORE.

OYSTERS

BOURNE N : BIOLOGICAL RESEARCH IN ESTUARINE ECOLOGY WITH EMPHASIS ON BIVALVE-MOLLUSCS. ASSESSMENT OF POPULATION-DYNAMICS OF BIVALVES FOR OPTIMUM MANAGEMENT OF RESOURCE. PRESENT RESEARCH MAINLY IN AQUACULTURE WITH EMPHASIS ON CULTURE OF OYSTERS, CLAMS AND SCALLOPS.

OZONE

ANDERSUN JC : COLOUR REMOVAL MECHANISMS INCLUDING ALUM WITH OTHER WATER-TREATMENT CHEMICALS, OZONE AND SLOW SAND FILTRATION. EFFICIENCY AND ENERGY CONVERSION CAPABILITIES.

ANLAUF K : MEASUREMENT OF AMBIENT ATMOSPHERIC-POLLUTANTS RELATED TO ACIDIC-PRECIPITATION, OXIDANTS & SMOG. OXIDATION OF SULPHUR-DIOXIDE TO SULPHATE & NITROGEN-DIOXIDE TO NITRIC-ACID; ATMOSPHERIC PARTICULATE MATTER & ITS MEASUREMENT. TRANSPORT OF AIR-POLLUTION & ITS CHEMICAL TRANSFORMATION. OZONE.

BIRKBECK AE : CHARACTERISATION & TREATMENT OF LANDFILL LEACHATE, ODOUR CONTROL AT LANDFILLS. INDUSTRIAL & MUNICIPAL WASTEWATER-TREATMENT, RECLAMATION & RECIRCULATION FOR FISH HATCHERIES. DESIGN & EVALUATION OF SMALL DISINFECTION UNITS, CHLORINE, OZONE & ULTRAVIOLET.

CHISHOLM AJ : MANAGEMENT OF RESEARCH IN STRATOSPHERIC POLLUTION, OZONE MONITORING, SOLAR ENERGY, WEATHER RADAR, CLOUD PRECIPITATION PHYSICS, CLOUD CHEMISTRY & ACID-FOG. HEAD, CANADIAN DELEGATION NEGOTIATING THE VIENNA CONVENTION FOR THE PROTECTION OF THE OZONE LAYER.

CHUNG YS : LONG-RANGE-TRANSPORT-OF-AIR-POLLUTION (LRTAP), SATELLITE DETECTION OF AIR-POLLUTION, EMISSION OF FOREST FIRES, OZONE, SULPHATE, TSP & CARBON-DIOXIDE.

FINCH GR : RESEARCH IN WASTEWATER-TREATMENT TECHNOLOGIES. EXPERTISE IN WASTEWATER LAGOON DESIGN, OPERATION & MAINTENANCE. TERTIARY TREATMENT OF WASTEWATER WITH OZONE, ESPECIALLY DISINFECTION MODELLING.

HOFF RM : USE OF ACTIVE REMOTE-SENSING TECHNIQUES FOR AIR-POLLUTION RESEARCH DEVELOPMENT OF DIAL FOR DETECTION OF SULPHUR-DIOXIDE & OZONE & ACTIVE SPECTROSCOPIC TECHNIQUES.

SCHIFF H : MEASUREMENT OF ATMOSPHERIC GASES. ATMOSPHERIC-CHEMISTRY. OZONE DEPLETION. ACID-DEPOSITION. PHOTOCHEMICAL OXIDANTS & SMOG. GLOBAL CLIMATE INFLUENCED BY ATMOSPHERIC-CHEMISTRY.

SHEPHARD RJ : RESEARCH ON EFFECTS OF PASSIVE EXPOSURE TO CIGARETTE-SMOKE, OZONE & CARBON-MONOXIDE ON HUMAN PERFORMANCE.

SILVERMAN F : RESPIRATORY EFFECTS OF AIR-POLLUTION ON ASTHMATIC AND HEALTHY NON-ASTHMATICS: A) CONTROLLED HUMAN EXPOSURES IN AN ENVIRONMENTAL CHAMBER (OZONE, SULPHUR-DIOXIDE, CIGARETTE-SMOKE), B) DAILY VARIATIONS IN EXPOSURE (INDOOR, OUTDOOR AND PERSONAL MONITORING).

OZONE

SMITH DW : OZONE TREATMENT OF WATER AND WASTEWATER. COLD REGIONS ENVIRONMENTAL-ENGINEERING. SCALE UP OF WATER AND WASTEWATER-TREATMENT PROCESSES. DISINFECTION. MIXING AND MICROORGANISMS IN RIVERS.
TIMS AJS : ACID-PRECIPITATION MONITORING; PROVINCIAL NETWORK DATA. OZONE MONITORING USING BIOMONITORS. LICHEN & MOSS BIOASSIMILATION OF TRACE-METALS & POLLUTANTS. RESPONSE TO PUBLIC COMPLAINTS OF AIR-POLLUTION INJURY TO VEGETATION.

PAINT

CLARK AG : AQUATIC VIBRIOS, SURVIVAL TOXIGENESIS & VARIATION IN VIRULENCE. HYDROCARBON DEGRADATION & SURFACTANT PRODUCTION IN MIXED & PURE CULTURES. MICROBIAL DEGRADATION OF WATER POLYMER BASED PAINT: PAINT ANTIMICROBIALS.
WOTTON DL : LEAD: DEPOSITION & ACCUMULATION IN URBAN SOILS, SMELTER EMISSIONS, EXHAUST, PAINT RESIDUES. FOREST: EFFECTS FROM MINING SMELTERS ON VEGETATION & SOIL, NORTHERN BOREAL-FOREST ECOSYSTEMS, CONIFEROUS REGENERATION IMPACTS FROM HEAVY-METAL CONTAMINATED SOILS. SOIL & GEOLOGY SENSITIVITY MAPPING FOR ACID-RAIN. HERBICIDES.

PALEAECOLOGY

TERASMAE J : QUATERNARY GEOLOGY, PALYNOLOGY, PALEAECOLOGY, GEOCHRONOLOGY (RADIO-CARBON DATING), TREE-RING STUDIES; GEOCHEMISTRY, SEDIMENTOLOGY OF LAKE SEDIMENTS (PALEOLIMNOLOGY) & PEAT DEPOSITS FOR STRATIGRAPHIC-CORRELATION PALEOENVIRONMENTAL ANALYSIS (INCLUDING CLIMATE CHANGE, VEGETATION HISTORY & HUMAN ACTIVITIES).

PALEOCLIMATIC

AKSU A E : PALEOCLIMATIC AND OCEANOGRAPHIC EVOLUTION OF THE LABRADOR-SEA AND BAFFIN-BAY DURING THE LAST 25 MA ODP (LEG 105) ARCTIC OCEAN CHRONOSTRATIGRAPHY. SEISMIC STRATIGRAPHY OF SMALL DELTAS IN MICROTIDAL SETTING (AEGEAN-SEA). SEDIMENTOLOGY AND GEOCHEMISTRY OF SALINE AND BITTER LAKES IN ANATOLIA. AMINO-ACID EPIMERIZATION IN FORAMINIFERA. SEDIMENTOLOGY AND SEISMIC STRATIGRAPHY OF FIORDS AND BAYS AROUND NEWFOUNDLAND. SEDIMENTOLOGY OF SHELF BASINS, SLOPE AND RISE TRANSITION.

PALEOLIMNOLOGICAL

OUELLET M : PALEOLIMNOLOGICAL STUDY OF LAKE SEDIMENTS AS A MEANS OF RECONSTRUCTING PAST ANTHROPOGENIC IMPACTS. LONG-RANGE-ATMOSPHERIC-POLLUTANTS SUCH AS ACIDIFYING PRODUCTS, HEAVY-METALS, FLUORIDES AND POLYCYCLIC-HYDROCARBONS.
SMOL JP : LIMNOLOGICAL & PALEOLIMNOLOGICAL STUDIES IN NORTH AMERICA INCLUDING THE HIGH ARCTIC & EUROPE. PALEOECOLOGICAL RECORD OF LAKE ACIDIFICATION.

PALEOLIMNOLOGY

DUTHIE HC : ECOLOGY AND TAXONOMY OF PHYTOPLANKTON AND PERIPHYTON. RESERVOIR BIOLOGY AND MODELLING; ALGAL-SYSTEMATICS; PALEOLIMNOLOGY AND DIATOMS.
HECKY RE : PALEOLIMNOLOGY AND LIMNOLOGY OF AFRICAN GREAT LAKES; RESERVOIR LIMNOLOGY; PHYTOPLANKTON AND DIATOM ECOLOGY; AQUATIC PRIMARY PRODUCTIVITY; CYCLING AND BIOACCUMULATION OF MERCURY.
TERASMAE J : QUATERNARY GEOLOGY, PALYNOLOGY, PALEAECOLOGY, GEOCHRONOLOGY (RADIO-CARBON DATING), TREE-RING STUDIES; GEOCHEMISTRY, SEDIMENTOLOGY OF LAKE SEDIMENTS (PALEOLIMNOLOGY) & PEAT DEPOSITS FOR STRATIGRAPHIC-CORRELATION PALEOENVIRONMENTAL ANALYSIS (INCLUDING CLIMATE CHANGE, VEGETATION HISTORY & HUMAN ACTIVITIES).

PALEONTOLOGY

FRITZ P : ENVIRONMENTAL ISOTOPE GEOCHEMISTRY IN RELATION TO WASTE-DISPOSAL, CONTAMINANT STUDIES, HYDROGEOLOGY, QUATERNARY GEOLOGY & PALEONTOLOGY. STABLE ISOTOPE ANALYSES, RADIOCARBON DATING, TRITIUM DETERMINATIONS, GEOCHEMICAL ANALYSES.

PARASITES

MARGOLIS L : DISEASES AND PARASITES OF FISHES. PARASITES OF MARINE MAMMALS AND INVERTEBRATES. EFFECTS OF ENVIRONMENTAL ALTERATION ON PARASITES AND DISEASES OF AQUATIC ANIMALS. PARASITES AS BIOLOGICAL TAGS FOR FISH POPULATIONS.
PAYMENT P : QUALITE MICROBIOLOGIQUE DE L' EAU (BACTERIES, VIRUS, PARASITES); EFFETS SUR LA SANTE; NORMES DE QUALITE-DE-L'EAU.

PARASITES

SCOTT JS : GROUNDFISH SURVEYS OF SCOTIAN SHELF. ABUNDANCE, DISTRIBUTION & ECOLOGY OF GROUNDFISH. PARASITES & DISEASES OF MARINE FISH. PARASITE-ECOLOGY.

PARASITISM

STEWART DB : BIOLOGICAL AND LIMNOLOGICAL INVENTORY OF LAKES IN THE NORTHWEST TERRITORIES: ZOOGEOGRAPHY, ECOLOGY, LIFE-HISTORY, AND PARASITISM OF ARCTIC FRESHWATER ANADROMOUS, AND MARINE FISHES; ZOOPLANKTON, PHYTOPLANKTON, AQUATIC INSECTS, AND WATER-CHEMISTRY OF ARCTIC LAKES; PHOTOGRAPHIC RECORD.

PARASITOLOGY

CASORSO DR : PATHOLOGICAL EXAMINATION OF TOXICITY STUDIES IN LABORATORY ANIMALS. R&D IN DRUGS & PESTICIDES (LATIN-AMERICA, OCEANA, AFRICA). SAFETY & EFFICACY EVALUATION OF NEW DRUGS. FEED ADDITIVE DEVELOPMENT, SAFETY, EFFICACY. VETERINARY PARASITOLOGY. AVIAN PATHOLOGY.

MIHOK S : RADIONUCLIDE TRANSPORT IN MAMMALS. RADIOECOLOGY OF RODENTS. HEMATOLOGY. PARASITOLOGY. IMMUNOLOGY. PATHOLOGY.

PARCS

MINISTERE LOISIR CHASSE ET PECHE : PARCS ET TERRITOIRES FAUNIQUES, FAUNE, FLORE ET HABITATS. PLANIFICATION, GESTION, AMENAGEMENT, INFORMATION, LEGISLATION ENVIRONNEMENTALE, RECHERCHE.

PARK

BAKER WM : TOURIST PARK AND OUTDOOR RECREATION PLANNING (POLICY STRATEGY PROGRAM, PROJECT INCLUDING BASIC NATURAL AND HISTORIC CULTURAL SUPPLY AND INFRASTRUCTURE ASSESSMENT, MARKETING, FINANCIAL AND MANAGEMENT PLANNING, PERFORMANCE EVALUATION, ENVIRONMENTAL-IMPACT-ASSESSMENT RELATIVE TO THE AMENITY ASPECTS OF RESOURCE VALUES NATIVE (INDIAN & INUIT) TOURISM PROGRAM & PROJECT PLANNING AND DEVELOPMENT.

CROWDER A : UPTAKE OF METALS BY WETLAND PLANTS. IRON PLAQUES ON ROOTS. INVENTORY OF VEGETATION IN EUTROPHIC & OTHER WETLANDS. IMPACT-ASSESSMENT PARTICULARLY OF PARK USAGE. HERBARIUM CURATOR.

EAGLES PFJ : AUTHORITY IN ENVIRONMENTALLY SENSITIVE AREA PLANNING AND MANAGEMENT, PARK PLANNING, OUTDOOR EDUCATION AND ENVIRONMENTAL-ASSESSMENT.

PARKLAND

KERSHAW GP : RECLAMATION & MITIGATION OF ARCTIC, SUBARCTIC & ALPINE DISTURBANCES DEVELOPMENT OF RESOURCES. ASPEN PARKLAND, BOREAL, SUBARCTIC, ALPINE & ARCTIC ECOSYSTEMS STRUCTURE & FUNCTION.

PARKS

ACHUFF PL : RESEARCH & INVENTORY STUDIES IN PLANT ECOLOGY VEGETATION DESCRIPTION & ANALYSIS; NATURAL RESOURCE INVENTORY AND MONITORING, CONSERVATION ECOLOGY & MANAGEMENT; PARKS, ECOLOGICAL RESERVES & NATURAL AREAS.

DONALDSON GR : URBAN LAND-USE PLANNING. URBAN WILDLAND PARKS.

GRAHAM R : MARINE CONSERVATION, PARKS & PROTECTED AREAS. VISITOR MANAGEMENT, INTERPRETATION VISITOR SERVICES, PUBLIC SAFETY, EDUCATION IN MARINE AQUATIC PARKS & COASTAL AREAS.

MANITOBA NATURALISTS SOCIETY : FIVE ACTION COMMITTEES MONITOR THE ENVIRONMENT OF MANITOBA IN PARTICULAR, BUT ALSO STUDY NATIONAL AND INTERNATIONAL ISSUES. THEY ARE PARKS, WILDLIFE, URBAN-ENVIRONMENT, HABITAT CONSERVATION AND ENVIRONMENTAL ACTION. VARIOUS POSITION PAPERS AND BRIEFS ARE WRITTEN REGARDING ENVIRONMENTAL ISSUES AND BROUGHT FORWARD TO THE GOVERNMENT AND INDUSTRY RESPONSIBLE. HECLA ISLAND MANAGEMENT PLAN, LOGGING IN ATIKAKI WILDERNESS AREA, CITY OF WINNIPEG RIVERS AND STREAM AUTHORITY, HYDRO ELECTRIC DEVELOPMENT (CONAWAPA) AND STORAGE OF NUCLEAR-WASTE.

MORIN JR : RESEARCH RELATES TO RESOURCE DEVELOPMENT, RESOURCE CONSERVATION & THE PROTECTION OF PUBLIC SAFETY & RESOURCES FROM NATURAL HAZARDS PLANS ARE PREPARED FOR CROWN LANDS, WATERS, FORESTS, PARKS, FISH & WILDLIFE RESOURCES TO PROMOTE THEIR WISE MANAGEMENT FOR ECONOMIC & SOCIAL BENEFIT.

SCACE RC : MANAGEMENT, COORDINATION OF LARGE-SCALE MULTI-DISCIPLINARY STUDIES, HUMAN ECOLOGICAL AND LANDSCAPE ANALYSES, LAND-USE PLANNING, HERITAGE PARKS AND PROTECTED AREAS CONSERVATION, IMPACT-ASSESSMENT, RECREATIONAL STUDIES, EDITING, CONFERENCE PLANNING, PROJECT ASSESSMENT.

WEIN RW : RESEARCH INTERESTS INCLUDE USE OF FIRE IN NATIONAL PARKS & WILDERNESS AREAS. BASIC STUDIES INTERESTS INCLUDE POST FIRE NUTRIENT-CYCLING AND PRIMARY PRODUCTION.

PARTICLE-SIZING

GNYP AW : STACK, AMBIENT AND IN-PLANT SAMPLING AND CONTINUOUS MONITORING FOR PARTICULATE AND GASEOUS POLLUTANTS: PARTICLE-SIZING: ODOUR MEASUREMENT AND CONTROL: DESIGN OF CONTROL EQUIPMENT FOR GASEOUS PARTICULATE AND ODOUROUS POLLUTANTS: LONG AND SHORT RANGE ATMOSPHERIC TRANSPORT: SOLID-WASTE DISPOSAL.

PARTICULATE

ANLAUF K : MEASUREMENT OF AMBIENT ATMOSPHERIC-POLLUTANTS RELATED TO ACIDIC-PRECIPITATION, OXIDANTS & SMOG. OXIDATION OF SULPHUR-DIOXIDE TO SULPHATE & NITROGEN-DIOXIDE TO NITRIC-ACID; ATMOSPHERIC PARTICULATE MATTER & ITS MEASUREMENT. TRANSPORT OF AIR-POLLUTION & ITS CHEMICAL TRANSFORMATION. OZONE.
FOSTER AB : STUDY OF TOTAL SUSPENDED PARTICULATE, DEVELOPMENT & UTILIZATION OF NEW FILTER MEDIUM SUCH AS POLYSTRENE & POLYFLUOROHYDROCARBON MATERIALS. TOXIC METALS IN TSP AND SETTLEABLE PARTICULATE.
GNYP AW : STACK, AMBIENT AND IN-PLANT SAMPLING AND CONTINUOUS MONITORING FOR PARTICULATE AND GASEOUS POLLUTANTS: PARTICLE-SIZING: ODOUR MEASUREMENT AND CONTROL: DESIGN OF CONTROL EQUIPMENT FOR GASEOUS PARTICULATE AND ODOUROUS POLLUTANTS: LONG AND SHORT RANGE ATMOSPHERIC TRANSPORT: SOLID-WASTE DISPOSAL.
LANE DA : PHOTODECOMPOSITION OF (PAH) DATA-BASE; POLYCYCLIC-AROMATIC-HYDROCARBONS. DESORPTION OF ORGANICS FROM PARTICULATE MATTER; TRACE AND ULTRA-TRACE ANALYSIS OF GAS AND PARTICULATE PHASE TOXIC-COMPOUNDS; MASS-SPECTROMETRY (MS); TRIPLE QUADRUPOLE MS; ATMOSPHERIC PRESSURE CHEMICAL IONIZATION MS; MOBILE MS.
PANT BC : PARTICULATE AND GAS FILTRATION SYSTEMS TO ELIMINATE POLLUTANTS SUCH AS CORROSIVE, ODOUROUS AND TOXIC GASES FROM WORK PLACE ENVIRONMENT.
PINSONNAULT J : AIR-POLLUTION MONITORING & CONTROL MOSTLY IN THE AREAS OF SULPHUR-DIOXIDE REDUCED SULPHUR COMPOUNDS & PARTICULATE FROM PULP & PAPER MILLS.
SPINK EF : INVENTORS AND DEVELOPERS OF WATERLOO SCRUBBERS, A LOW ENERGY, LOW WATER-USE, WET-SCRUBBERS CAPABLE OF ULTRA HIGH REMOVAL OF SUB-MICRON PARTICULATE, GASES, ACID-MISTS AND ORGANIC FUMES.
TOROSSIAN H : METHOD DEVELOPMENT FOR MEASUREMENT OF ATMOSPHERIC-POLLUTANTS. SOURCE TESTING FOR STACK GAS & PARTICULATE EMISSIONS. DESIGN AND SELECTION OF EQUIPMENT FOR AIR-POLLUTION ABATEMENT. MANAGEMENT OF PCB WASTES.
VISWANATHAN S : PARTICULATE MEASUREMENT AND CONTROL, ODOUR MEASUREMENT AND CONTROL, TRACE-ELEMENT MEASUREMENT, DISPERSION MODELLING, INDUSTRIAL-HYGIENE MEASUREMENTS, HEATING AND VENTILATION, HAZARDOUS-WASTE AUDITS.

PASSERINES

PEARCE PA : IMPACT OF TOXIC-CHEMICALS ON WILDLIFE, WITH PARTICULAR REFERENCE TO EFFECTS OF INSECTICIDE SPRAYING ON FOREST PASSERINES. PESTICIDE ECOLOGY.

PATES

NICOLLE FA : POLLUTION DUE A L'INDUSTRIE DES PATES ET PAPIER.

PATHO-BIOCHIMIE

VALERO JR : LUTTE MICROBIOLOGIQUE CONTRE LES INSECTES NUISIBLES. APPLICATION OPERATIONNELLE DE BACILLUS THURINGIENSIS POUR LE CONTROLE DES LEPIDOPTERES UTILISATION DES VIRUS ENTOMOPATHOGENES, EN PARTICULIER LES BACULOVIRUS POUR LA REPRESSION A COURT ET A LONG TERMES DES INSECTES. PATHO-BIOCHIMIE DES INSECTES.

PATHWAY

MARKS GS : STUDIES OF THE EFFECTS OF XENOBIOTICS SUCH AS POLYCHLORINATED-BIPHENYLS, HEXACHLOROBENZENE, ETC. ON THE HEPATIC HEME BIOSYNTHETIC PATHWAY. STUDIES ARE CARRIED OUT IN CHICK EMBRYO LIVER AND ARE DIRECTED TO THE MECHANISM BY WHICH XENOBIOTICS AFFECT THE HEME BIOSYNTHETIC PATHWAY.
YOUNG JWS : LRTAP, TOXIC-CHEMICALS, ENERGY, NORTH, GREAT-LAKES WATER-QUALITY, AIR-QUALITY, CLIMATE CHANGE, OXIDANTS. MAIN FOCUS IS THE ATMOSPHERIC PATHWAY PORTION OF THESE AREAS.

PATHWAYS

BARNARD JW : DEVELOPMENT OF COMPUTER MODELS OF THE BIOSPHERE TO ASSIST IN ENVIRONMENTAL & SAFETY ASSESSMENT OF RADIOTOXIC & CHEMICALLY TOXIC-WASTE DISPOSAL. PATHWAYS ANALYSES. IMPACT STATEMENTS & ENVIRONMENTAL SCREENING DOCUMENTS FOR WASTE STORAGE & DISPOSAL, LICENSING OF NEW FACILITIES.

PATHWAYS

CAREY JH : STUDIES ON THE PATHWAYS OF TRANSPORT, BIOACCUMULATION & DEGRADATION OF SYNTHETIC ORGANIC CONTAMINANTS IN AQUATIC-ECOSYSTEMS PLACING PARTICULAR & PROCESSES OF IMPORTANCE IN FLUVIAL SYSTEMS.
INSTITUTE FOR ENVIRONMENTAL STUDIE : ENVIRONMENTAL-MANAGEMENT INCLUDING ENVIRONMENTAL PERCEPTION, GREAT-LAKES ECOSYSTEMS REHABILITATION, CLIMATE IMPACT-ASSESSMENT IMPACT OF THIRD-WORLD URBANIZATION, RISK-ASSESSMENT, IMPACTS OF ACID-RAIN AND METALS ON BIOLOGICAL SYSTEMS, MODELLING PATHWAYS OF TOXIC SUBSTANCES, ENVIRONMENTAL-TOXICOLOGY.
MARKO AM : BIOLOGICAL EFFECTS OF RADIATION & OTHER TOXIC AGENTS. ENVIRONMENTAL PATHWAYS OF MOVEMENT OF RADIOACTIVITY & TOXIC-CHEMICALS & METABOLISM. METABOLIC MODELLING OF RADIONUCLIDES & CHEMICALS & THEIR DOSIMETRY.
OLIVER BG : PATHWAYS OF ORGANIC CONTAMINANTS IN AQUATIC ENVIRONMENT, BIOCONCENTRATION & BIOACCUMULATION OF ORGANICS BY FISH, BY-PRODUCTS OF DRINKING-WATER CHLORINATION.
SCHEIDER WA : EFFECTS OF CONTAMINANTS ON BIOTA OF ONTARIO LAKES. CONTAMINANT FATE, PATHWAYS & EFFECTS ON AQUATIC SYSTEMS.

PCB

LINKERT WG : CHEMICAL-ANALYSIS OF SOP AIR FOR FUMES, SOLVENTS, & DUST ETC; TURBINE EXHAUST FOR NOX, WASTEWATER AND OIL FOR PCB.
TOROSSIAN H : METHOD DEVELOPMENT FOR MEASUREMENT OF ATMOSPHERIC-POLLUTANTS. SOURCE TESTING FOR STACK GAS & PARTICULATE EMISSIONS. DESIGN AND SELECTION OF EQUIPMENT FOR AIR-POLLUTION ABATEMENT. MANAGEMENT OF PCB WASTES.

PCBS

AHMAD I : METHODS DEVELOPMENT & TRACE RESIDUE ANALYSIS OF PESTICIDES (HERBICIDES, INSECTICIDES, PLANT GROWTH REGULATORS), METABOLITES, PCBS, ORGANICS IN ENVIRONMENTAL & AGRICULTURAL MATRICES. ORGANIC SYNTHESIS. REACTIONS IN ORGANIC-CHEMISTRY.
BIRMINGHAM BC : DEVELOPMENT OF SCIENTIFIC CRITERIA DOCUMENTS FOR ENVIRONMENTAL STANDARDS MULTI-MEDIA APPROACH. TOXICOLOGICAL ASSESSMENT, ENVIRONMENTAL FATE MODELLING, RECEPTOR EXPOSURE MODELLING, RISK-ASSESSMENT. CHLORINATED DIOXINS & DIBENZOFURANS, PCBS, POLYNUCLEAR-AROMATIC-HYDROCARBONS & PESTICIDES.
GRANT DL : EXPERTISE IN THE TOXICOLOGICAL EVALUATION OF PCBS AND DIOXINS.
LUSIS MA : ACIDIC-DEPOSITION (WET & DRY). TOXICS DEPOSITION (PCBS, PESTICIDES, PAHS, DIOXINS). OXIDANTS. ATMOSPHERIC-CHEMISTRY & DISPERSION. MATHEMATICAL-MODELLING OF LRTAP.
SMITH LF : EPIDEMIOLOGICAL-STUDIES: POPULATION BASED INFORMATION-SYSTEMS FOR ONTARIO INCLUDING CANCER & REPRODUCTIVE OUTCOMES, POPULATION MONITORING FOR LEAD & PCBS. OUTBREAK INVESTIGATIONS.
WAN JKS : DISPOSAL OF CHEMICAL WASTE BY NOVEL MICROWAVE INDUCED CATALYTIC TECHNIQUES; DESTRUCTION OF PCBS. SOME OF OUR WORK HAS BEEN PUBLISHED IN OPEN AND PATENT LITERATURE. CURRENT RESEARCH USING THE MICROWAVE INDUCED CATALYTIC TECHNIQUES INCLUDES THE REMOVAL OF SULPHUR GASES IN INDUSTRIAL ENVIRONMENT.

PEANUT

CHENG HH : BIOLOGY, POPULATION-DYNAMICS, CHEMICAL AND BIOLOGICAL CONTROL OF INSECTS ATTACKING TOBACCO AND PEANUT CROPS; ASSESSMENT OF CROP LOSSES. WITHOUT THE USE OF INSECTICIDES. INTEGRATED PEST-MANAGEMENT FOR VEGETABLE AND FRUIT CROPS.

PEAT

FORRESTAL BJ : REDUCTION, REUSE, RECYCLE, RECOVERY, EXCHANGE OF INDUSTRIAL-WASTES. REPORTS ON FOOD AND METAL FINISHING INDUSTRIES. LANDFILL GAS GENERATION. REGULATION COMPLIANCE CONSULTING AND TESTING. ENVIRONMENTAL SURVEYS. ONTARIO WASTE EXCHANGE OPERATION. NOVEL WASTE-TREATMENT USING PEAT.
GLOOSCHENKO W : ECOLOGY OF WETLANDS; PEAT; LONG-RANGE TRANSPORT OF ATMOSPHERIC-POLLUTANTS, TRACE-ELEMENT GEOCHEMISTRY.
MCKIM MP : DESIGN, DEVELOPMENT & APPLICATION OF WATER & AIR-POLLUTION ABATEMENT DEVICES. EXAMPLES ARE ROTATING BIOLOGICAL CONTACTORS, PHENOL CONTROL, WATER-REUSE SYSTEMS & USE OF PEAT FOR SEWAGE TREATMENT.
OVEREND RP : INVESTIGATION OF POTENTIAL AND APPLICATIONS OF BIOMASS LIQUEFACTION AND FRACTIONATION FOR CHEMICALS AND ENERGY. PEAT MINING AND DEWATERING WITH ENVIRONMENTAL-IMPACT AND PROCESS IMPACT.
TERASMAE J : QUATERNARY GEOLOGY, PALYNOLOGY, PALEAECOLOGY, GEOCHRONOLOGY (RADIO-CARBON DATING), TREE-RING STUDIES; GEOCHEMISTRY, SEDIMENTOLOGY OF LAKE SEDIMENTS (PALEOLIMNOLOGY) & PEAT DEPOSITS FOR STRATIGRAPHIC-CORRELATION PALEOENVIRONMENTAL ANALYSIS (INCLUDING CLIMATE CHANGE, VEGETATION HISTORY & HUMAN ACTIVITIES).

PEATLAND

JEGLUM JK : WETLAND AND PEATLAND CLASSIFICATION AND ECOLOGY; BLACK-SPRUCE REGENERATION; SILVICULTURE; VEGETATION AND FLORISTICS OF BOREAL-FORESTS; SUCCESSION AND DYNAMICS OF BOREAL-FORESTS.

ROWSELL JA : CONSULTANT IN TERRESTRIAL-ECOLOGY: BIOCHEMICAL DYNAMICS; REMOTE-SENSING DATA-ANALYSIS; PHYTOTOXICOLOGY; INDUSTRIAL WASTE-MANAGEMENT; LAND APPLICATION OF WASTES; ENVIRONMENTAL-IMPACT-ASSESSMENT; ECOLOGICAL LAND-CLASSIFICATION; PEATLAND BIOLOGY; FLORA, FAUNA SURVEYS.

STEWART JM : PRODUCTION ACCUMULATION DYNAMICS OF PEATLAND; PEAT-CLASSIFICATION AND INVENTORY TECHNIQUES (REMOTE-SENSING); ECOLOGY OF WILD-RICE. UNGULATE RESPONSE TO HABITAT MANIPULATION; ECOLOGY OF HYDRO TRANSMISSION RIGHTS OF WAY.

PEI

GRIFFIN DF : CANDIDATE NATURAL AREAS ARE SELECTED THROUGHOUT PEI FOR RESEARCH, CONSERVATION, RECREATION AND EDUCATIONAL PURPOSES. BIOPHYSICAL DATA IS GATHERED.

PELAGIC-ECOLOGY

NETTLESHIP DN : HEAD LONG-TERM RESEARCH PROGRAM ON REPRODUCTIVE AND PELAGIC-ECOLOGY OF SEABIRD POPULATIONS IN NORTH-WEST ATLANTIC, PARTICULARLY ATLANTIC CANADA AND EASTERN CANADIAN ARCTIC. PUBLICATIONS INCLUDE: "ATLAS OF EASTERN CANADIAN SEABIRDS", "ECOLOGICAL SITES IN NORTHERN CANADA", "CONSERVATION OF MARINE BIRDS OF NORTHERN NORTH-AMERICA", AND "THE THICK-BILLED MURRES OF PRINCE-LEOPOLD ISLAND; BREEDING ECOLOGY OF A COLONIAL HIGH ARCTIC SEABIRD."

PERMAFROST

HARRIS SA : USE OF PERMAFROST LANDS; MAPPING OF PERMAFROST; SOILS, LANDFORMS & VEGETATION OF ALPINE & PERMAFROST AREAS; ENVIRONMENTAL EFFECTS OF DISTURBANCE OF ALPINE & PERMAFROST ENVIRONMENTS. ENVIRONMENTAL EFFECTS OF CLIMATIC CHANGES.

PALMER JHL : EXPERTISE IN AVALANCHE HAZARDS & PREDICTION, FROST ACTION, ICE FORCES ON STRUCTURES, ICE PROPERTIES, PERMAFROST ENGINEERING, SLOPE STABILITY, THERMAL REGIME OF SOIL. HEAD, GEOTECHNICAL SECTION.

SEGUIN MK : COASTLINE PERMAFROST GEOPHYSICS & GEOMORPHOLOGY. SURFACE GEOMORPHOLOGY. SUBSURFACE & SURFACE GEOPHYSICS ARE USED TO DETERMINE HORIZONTAL & VERTICAL EXTENTS OF DISCONTINUOUS PERMAFROST, PHYSICAL PROPERTIES IN SITU & THE EVOLUTION OF PERMAFROST WITH TIME.

PESTICIDE

BOND EJ : USE OF CHEMICALS ESPECIALLY FUMIGANTS FOR THE CONTROL OF PESTS IN STORED PRODUCTS & STORAGE & TRANSPORTATION FACILITIES. ANALYSIS & SIGNIFICANCE OF THE PESTICIDE CHEMICALS IN THE ENVIRONMENT.

BROWN DJ : AQUATIC MONITORING TO ASSESS EFFLUENT IMPACT ON PROVINCIAL WATER-QUALITY OBJECTIVES, TO ASSESS IMPACT OF METALS & PESTICIDES IN FISH, TO ASSESS IMPACT OF PESTICIDE & HERBICIDE USE ON AQUATIC-ECOSYSTEMS.

CRABBE RS : EFFECT OF ATMOSPHERIC THERMAL STABILITY ON DEPOSITION & WINDBORNE DRIFT OF AERIAL FOREST PESTICIDE SPRAYS.

CURRIE RA : MONITORING OF FOODS FOR PESTICIDE RESIDUES INCLUDING ORGANOCHLORINE AND ORGANOPHOSPHORUS INSECTICIDES AND VARIOUS HERBICIDES.

FRANK R : RESEARCH INTO PESTICIDE DISAPPEARANCE FROM TREATED PLANTS & ANIMALS. MONITORING RESEARCH INTO RESISTANCE & MOBILITY IN THE ENVIRONMENT.

KHAN SU : FATE OF PESTICIDES IN SOIL, PLANT, WATER & ANIMALS. ENVIRONMENTAL-POLLUTION. CHEMICAL & BIODEGRADATION OF PESTICIDES. BIOAVAILABILITY & TOXICOLOGY OF PESTICIDES IN ANIMALS. PESTICIDE DEGRADING PLASMIDS, BIOTECHNOLOGY OF PESTICIDES.

KOBYLNYK R : SURVEYS OF PESTICIDE RESIDUES IN AREAS WHERE SURFACE & GROUNDWATER CONTAMINATION MAY OCCUR.

MADRAMOOTOO C : AGRICULTURAL HYDROLOGY, WATERSHED ENGINEERING, ESTIMATION OF PEAK FLOWS, HYDROLOGIC TIME PARAMETERS & HYDROGRAPH ANALYSIS. TRICKLE IRRIGATION SYSTEM DESIGN. SOIL EROSION & SEDIMENTATION, ESTIMATION PESTICIDE & CHEMICAL LOSSES FROM AGRICULTURAL WATERSHEDS.

MAYBANK J : RESEARCH IN CLOUD PHYSICS, INCLUDING WEATHER MODIFICATION AND IMPACT-ASSESSMENT FOR AGRICULTURE; AEROSOL AND SPRAY DROPLET DISSEMINATION, ESPECIALLY RELATED TO PESTICIDE SPRAY APPLICATION AND SPRAY DRIFT; AGROCLIMATOLOGY AND AIR-POLLUTION.

PEARCE PA : IMPACT OF TOXIC-CHEMICALS ON WILDLIFE, WITH PARTICULAR REFERENCE TO EFFECTS OF INSECTICIDE SPRAYING ON FOREST PASSERINES. PESTICIDE ECOLOGY.

ROSLYCKY EB : IMPACT OF HERBICIDES AND OTHER PESTICIDES ON SOIL MICROFLORA IN RELATION TO BASIC SOIL PHYSIOLOGICAL PROCESSES, INCLUDING NITROGEN FIXATION, SOIL FERTILITY, PESTICIDE ACCUMULATION, RESIDUE FORMATION AND EFFECTS OF VARIOUS AMENDMENTS, INCLUDING BIOTIC ON ITS BREAKDOWN.

PESTICIDES

AHMAD I : METHODS DEVELOPMENT & TRACE RESIDUE ANALYSIS OF PESTICIDES (HERBICIDES, INSECTICIDES, PLANT GROWTH REGULATORS), METABOLITES, PCBS, ORGANICS IN ENVIRONMENTAL & AGRICULTURAL MATRICES. ORGANIC SYNTHESIS. REACTIONS IN ORGANIC-CHEMISTRY.

AKHIAR H : SYNTHESIS, METABOLISM OF PESTICIDES (ORGANOPHOSPHATES, SYNTHETIC PYRETHROIDS) IN POULTRY AND FARM ANIMALS. DEVELOPMENT OF ANALYTICAL TECHNIQUES FOR DETERMINATION OF TRACES OF PESTICIDES AND METABOLITES IN MILK, URINE, FECES, EGGS AND TISSUES.

BANAS WP : AQUATIC TOXICOLOGY & CHEMICAL FATE INVESTIGATIONS. TOXICITY TESTING OF INDUSTRIAL EFFLUENTS (PULP & PAPER, MINING, STEEL MANUFACTURING). DEVELOPMENT OF A WATER-QUALITY AQUATIC ENVIRONMENT. TOXICITY OBJECTIVE REGARDING ALUMINUM IN THE EVALUATIONS OF PESTICIDES (ORGANOCHLORINE & ORGANOPHOSPHATE) & HEAVY-METALS USING RAINBOW-TROUT IN FLOW THROUGH & STATIC BIOASSAYS.

BESNER DI : STUDIES ON VARIETY OF ENVIRONMENTAL ISSUES: IMPACTS OF ACID-RAIN (WET SULPHATE DEPOSITION), FATE OF PESTICIDES, PH SHOCK FROM SNOWMELT. ORIENTED TO PRACTICAL APPLICATION OF CONTROL PROGRAMS, ENVIRONMENTAL-PLANNING & ENVIRONMENTAL-ASSESSMENT TECHNIQUES.

BIRMINGHAM BC : DEVELOPMENT OF SCIENTIFIC CRITERIA DOCUMENTS FOR ENVIRONMENTAL STANDARDS MULTI-MEDIA APPROACH. TOXICOLOGICAL ASSESSMENT, ENVIRONMENTAL FATE MODELLING, RECEPTOR EXPOSURE MODELLING, RISK-ASSESSMENT. CHLORINATED DIOXINS & DIBENZOFURANS, PCBS, POLYNUCLEAR-AROMATIC-HYDROCARBONS & PESTICIDES.

BROWN DJ : AQUATIC MONITORING TO ASSESS EFFLUENT IMPACT ON PROVINCIAL WATER-QUALITY OBJECTIVES, TO ASSESS IMPACT OF METALS & PESTICIDES IN FISH, TO ASSESS IMPACT OF PESTICIDE & HERBICIDE USE ON AQUATIC-ECOSYSTEMS.

BUCKNER CH : FOREST-PROTECTION BY MEANS OF PESTICIDES; FOREST-MANAGEMENT; POPULATION-DYNAMICS AS APPLIED TO PEST-MANAGEMENT; BIOLOGICAL CONTROL OF FOREST PESTS; USE OF AIRCRAFT IN FORESTRY FOR PROTECTION & SURVEILLANCE.

CAMPBELL PG : TRACE-METAL BIOGEOCHEMISTRY. ACID-PRECIPITATION. SOURCE POLLUTION; EVOLUTION POLLUTION; POLLUTION TRANSPORT; GROUNDWATER CONTAMINATION BY PESTICIDES.

CASORSO DR : PATHOLOGICAL EXAMINATION OF TOXICITY STUDIES IN LABORATORY ANIMALS. R&D IN DRUGS & PESTICIDES (LATIN-AMERICA, OCEANA, AFRICA). SAFETY & EFFICACY EVALUATION OF NEW DRUGS. FEED ADDITIVE DEVELOPMENT, SAFETY, EFFICACY. VETERINARY PARASITOLOGY. AVIAN PATHOLOGY.

CHO CM : ENVIRONMENTAL-POLLUTION PROBLEMS RELATED TO THE USE OF AGRICULTURAL PRODUCTS SUCH AS FERTILIZERS PESTICIDES. STUDY ON THE DENITRIFICATION & TRANSPORT PROCESSES IN SOIL.

DAVIDSON WR : MANAGER OF RESEARCH AND DEVELOPMENT INCLUDING METHOD AND APPLICATION DEVELOPMENT ORIENTED TOWARDS THE ENVIRONMENTAL MARKET. AREAS OF CURRENT INTEREST INCLUDE DIOXINS, PESTICIDES, PRIORITY POLLUTANTS AND TOXICS IN AIR: IN ALL CASES, TANDEM MASS-SPECTROMETRY IS USED AS THE ANALYTICAL TOOL.

DOANE JF : BIOLOGY, BEHAVIOUR AND CONTROL OF WIREWORMS, GROUND BEETLES AND OTHER SOIL INSECTS. IMPACT OF PESTICIDES ON NON-TARGET ORGANISMS PARTICULARLY IN CROP ECOSYSTEMS.

ELIAS L : DETECTION OF TRACE-VAPOURS AND GASES IN ATMOSPHERE. MEASUREMENT OF AIRBORNE EXPLOSIVES, NARCOTICS, PESTICIDES AND FLUOROCARBONS BY PRECONCENTRATION GAS-CHROMATOGRAPHY.

GABOURY G : L' UTILISATION DE PESTICIDES EN MILIEU FORESTIER DE MEME QUE LES ACTIVITES DE PRELEVEMENT DES RESSOURCES. LES POLLUANTS-ATMOSPHERIQUES ET LEURS EFFETS SUR LA FORET. DEVELOPPEMENT DE MOYENS DE LUTTE CONTRE LA TORDEUSE-DES-BOURGEONS-DE-L'EPINETTE (BIOESSAIS).

GRANT WF : CYTOGENETIC EFFECTS OF ENVIRONMENTAL CHEMICALS, PRIMARILY PESTICIDES. USE OF HIGHER PLANT ASSAY SYSTEMS FOR TESTING FOR ENVIRONMENTAL-MUTAGENS.

GREEN GW : BASIC & APPLIED RESEARCH INTO ALL ASPECTS OF FOREST PEST CONTROL WITH BIOLOGICAL & CHEMICAL PESTICIDES INCLUDING EFFICACY, APPLICATION TECHNOLOGY & ENVIRONMENTAL-IMPACT.

HOLDWAY DA : FISH-TOXICOLOGY: CHRONIC & ACUTE EFFECTS OF PESTICIDES (METHOXYCHLOR, PERMETHRIN), HERBICIDES (GLYPHOSATE), & METALS (VANADIUM) ON SURVIVAL, GROWTH & REPRODUCTION OF FLAGFISH & WHITE SUCKERS; EFFECTS ON BRAIN NEUROTRANSMITTERS & BIOENERGETICS. DEVELOPED TECHNIQUE FOR MEASURING DIMETHYL-SULFIDE AT PARTS PER TRILLION LEVELS IN FRESHWATER.

INTL MARINE ENVIRONMENTALISTS INC : MARINE ENVIRONMENTAL CONSULTING FIRM WITH EXPERTISE IN ENVIRONMENTAL-IMPACT-ASSESSMENTS, POLLUTION BY PESTICIDES & POLYAROMATIC-HYDROCARBONS, MARINE ECOTOXICOLOGY, ESTUARINE DREDGING & THEIR ENVIRONMENTAL-IMPACT.

KAUSHIK N : AQUATIC BIOLOGY; HEADWATER STREAMS; IMPACT OF AGRICULTURE ON STREAM ENVIRONMENTS; ALLOCHTHONOUS ORGANIC MATTER IN STREAMS; ECOTOXICOLOGY; USE OF LIMNOCORRALS IN ASSESSMENT OF PESTICIDES ON AQUATIC ENVIRONMENTS.

KHAN SU : FATE OF PESTICIDES IN SOIL, PLANT, WATER & ANIMALS. ENVIRONMENTAL-POLLUTION. CHEMICAL & BIODEGRADATION OF PESTICIDES. BIOAVAILABILITY & TOXICOLOGY OF PESTICIDES IN ANIMALS, PESTICIDE DEGRADING PLASMIDS, BIOTECHNOLOGY OF PESTICIDES.

KINGSBURY PD : ENVIRONMENTAL-IMPACT OF FORESTRY PESTICIDES IN TERMS OF EFFECTS ON FISH, AQUATIC INVERTEBRATE, SONGBIRD AND TERRESTRIAL INVERTEBRATE POPULATIONS AND THEIR ECOLOGICAL RELATIONSHIPS.

LANGFORD CH : STUDIES OF SPECIATION OF METAL IONS AND MOBILITY OF PESTICIDES IN NATURAL WATER SYSTEMS WITH SPECIAL REFERENCE TO THE NATURE AND ROLE OF HUMIC-SUBSTANCES. DEVELOPMENT OF KINETIC METHODS OF ANALYSIS.

LUSIS MA : ACIDIC-DEPOSITION (WET & DRY). TOXICS DEPOSITION (PCBS, PESTICIDES, PAHS, DIOXINS). OXIDANTS. ATMOSPHERIC-CHEMISTRY & DISPERSION. MATHEMATICAL-MODELLING OF LRTAP.

MALLET VN : CHIMIE ANALYTIQUE; POLLUANTS CHIMIQUES; DEPUIS PLUSIEURS ANNEES J'OEUVRE DANS LE DEVELOPPEMENT D METHODES D'ANALYSE DE PESTICIDES. UNE PARTIE DE MON TRAVAIL CONSISTE A IDENTIFIER LES PRODUITS DE LA DEGRADATION DE CES SUBSTANCES CHIMIQUES.

MCKEOWN BA : ENVIRONMENTAL TOXICANTS OF FISH. HEAVY-METALS (ZINC, MERCURY, ALUMINUM), OIL, OIL DISPERSANTS, PESTICIDES, ACID-PRECIPITATION.

PESTICIDES

PANISSET JC : TOXICOLOGIE INDUSTRIELLE ET AGRICOLE, TOXICITE DE PESTICIDES, MEDICAMENTS VETERINAIRES ANTIBIOTIQUE ET TRANSFERT DE L'ANTIBIO RESISTANCE DE L' ANIMAL A L'HOMME. BIOSECURITE ET BIOTECHNOLOGIES NOUVELLES.

PHILOGENE BJR : LUTTE CONTRE LES INSECTES. UTILISATION DES PESTICIDES ET LEUR IMPACT; LUTTE INTEGREE.

PRASAD R : EXPERTISE IN: PESTICIDES FOR PROTECTION AND REGENERATION OF CANADIAN FOREST; HERBICIDES FOR FOREST RENEWAL AND IN STUDYING THE FATE OF HERBICIDES IN FOREST ENVIRONMENT; HERBICIDES FOR CONTROL OF MACROPHYTES.

READ DC : PERSISTENCE OF PESTICIDES IN SOIL. RESISTANCE OF INSECTS TO INSECTICIDES AND MICROBIAL DEGRADATION OF PESTICIDES IN SOIL AND WATER.

ROSLYCKY EB : IMPACT OF HERBICIDES AND OTHER PESTICIDES ON SOIL MICROFLORA IN RELATION TO BASIC SOIL PHYSIOLOGICAL PROCESSES, INCLUDING NITROGEN FIXATION, SOIL FERTILITY, PESTICIDE ACCUMULATION, RESIDUE FORMATION AND EFFECTS OF VARIOUS AMENDMENTS, INCLUDING BIOTIC ON ITS BREAKDOWN.

SHAW GG : DETERMINING THE CONCENTRATION OF SULPHUR, METALS & PESTICIDES IN SOIL, AIR, WATER, VEGETATION & ANIMALS & THE EFFECTS OF THOSE CHEMICALS & ELEMENTS ON PLANTS & ANIMALS THROUGH EXPERIMENTS & STATISTICAL-ANALYSIS.

SHEMANCHUK JA : INVESTIGATING METHODS OF PROTECTING CATTLE AND HUMANS FROM BLOOD-SUCKING FLIES THROUGH USE OF REPELLENTS, BIOLOGICAL AGENTS AND MANAGEMENT PRACTICES IN AN ATTEMPT TO REDUCE THE DEPENDENCE ON CHEMICAL PESTICIDES.

ST-JEAN R : ADMINISTRATION DU CONTROLE ET DE LA VENTE DE L' UTILISATION DES PESTICIDES.

SZETO SY : TRANSLOCATION, METABOLISM AND DEGRADATION OF PESTICIDES IN SOIL AND IN VEGETABLE AND SMALL FRUIT CROPS; CHEMICAL ASPECTS OF NATURAL ATTRACTANTS OF THESE CROPS TO INSECT PESTS. PUBLICATIONS AVAILABLE.

TRUDEL MJ : LA FACULTE DES SCIENCES DE L' AGRICULTURE ET DE L' ALIMENTATION DE L' UNIVERSITE LAVAL REALISE UNE VINGTAINE DE PROJETS DE RECHERCHE RELIES A L' ENVIRONNEMENT NOTAMMENT SUR LES SUJETS SUIVANTS: TRAITEMENT ET MANUTENTION DES LISIERES ET FUMIERS, EPURATION-DES-EAUX-USEES, CONSERVATION DES SOLS, BILAN HYDRIQUE DES SOLS, PERSISTANCE DES PESTICIDES, ZONAGE BIOCLIMATIQUE.

TU CM : INTERACTION BETWEEN PESTICIDES AND SOIL MICROORGANISMS. DEVELOPMENT OF FUNGICIDE RESISTANT RHYZOBIAL BACTERIA. FEASIBILITY OF USING ENTOMOPHTHORA-MUSCAL TO CONTROL DIPTEROUS INSECTS.

UNGER I : PHOTODEGREDATION, PHOTOLYSIS AND PHOTOCHEMICAL REACTIONS OF PESTICIDES. THE INTERACTION OF SUNLIGHT WITH PESTICIDES. FLUORESCENCE, PHOSPHORESCENCE AND ABSORPTION CHARACTERISTICS OF PESTICIDES.

VAN COILLIE R : CHEMINEMENT ET TOXICITE SOUS-LETALE DES METAUX-LOURDS ET DES PESTICIDES DANS L' ENVIRONNEMENT-AQUATIQUE ET TERRESTRE REPERCUSSIONS DES PLUIES-ACIDES SUR LA FAUNE AQUATIQUE ECOTOXICOLOGIE DES DEPOTOIRS, BIOTECHNOLOGIES ENVIRONNEMENTALES.

WHITTLE DM : TRENDS IN CONTAMINANTS (PESTICIDES, INDUSTRIAL CHEMICALS AND TRACE-METALS) IN AQUATIC BIOTA FROM THE LAURENTIAN GREAT LAKES. DETERMINE THE IMPACT OF CONTAMINANT BURDENS ON THE AQUATIC-ECOSYSTEM.

YOSHIDA K : HOSPITAL ENVIRONMENTAL HEALTH. APPLICATOR EXPOSURE TO PESTICIDES. HOSPITAL WORKER EXPOSURE TO ANTI NEOPLASTIC DRUGS. HOSPITAL WORKER EXPOSURE TO ETHYLENE-OXIDE, INDOOR AIR-POLLUTION & HEALTH EFFECTS. WORKER EXPOSURE TO DISOLYANATES IN AUTO BODY REPAIR SHOPS.

PESTS

BEIRNE BP : PERMANENT SOLUTIONS FOR PEST PROBLEMS BIOLOGICAL CONTROL OF PESTS.

BOND EJ : USE OF CHEMICALS ESPECIALLY FUMIGANTS FOR THE CONTROL OF PESTS IN STORED PRODUCTS & STORAGE & TRANSPORTATION FACILITIES. ANALYSIS & SIGNIFICANCE OF THE PESTICIDE CHEMICALS IN THE ENVIRONMENT.

BUCKNER CH : FOREST-PROTECTION BY MEANS OF PESTICIDES; FOREST-MANAGEMENT; POPULATION-DYNAMICS AS APPLIED TO PEST-MANAGEMENT; BIOLOGICAL CONTROL OF FOREST PESTS; USE OF AIRCRAFT IN FORESTRY FOR PROTECTION & SURVEILLANCE.

CUNNINGHAM JC : PRACTICAL USE OF VIRUSES FOR CONTROL OF FOREST-INSECT PESTS; FORMULATION & APPLICATION OF VIRAL INSECTICIDES; PRODUCTION OF VIRUSES USING HOST INSECT LARVAE. REGISTRATION OF VIRAL INSECTICIDES & COMMERCIALIZATION OF BIOCONTROL PRODUCTS.

LE BLANC JPR : POPULATION ECOLOGY; EFFECTS OF TEMPERATURE ON THE PREDATORY PHYTOSEIID-MITES ON APPLE. SOIL ARTHROPODS SURVEY & RELATIONSHIP TO SOIL-FERTILITY. INTEGRATED PEST-MANAGEMENT PROGRAMS OF AGRICULTURAL PESTS, PRIMARILY TRAPPING & MONITORING TECHNIQUES. CURATOR OF THE ENTOMOLOGICAL COLLECTIONS.

RETNAKARAN A : INSECT PHYSIOLOGY: GROWTH & DEVELOPMENT (INSECT HORMONES & INSECT GROWTH REGULATORS). DEVELOPMENT OF HORMONE ANALOGS, MOULT INHIBITORS & CHITIN SYNTHESIS INHIBITORS AS CONTROL AGENTS FOR FOREST-INSECT PESTS. STUDY OF CHITIN SYNTHESIS & BIOCHEMISTRY OF THE SYNTAETIC STEPS. ELECTRON MICROSCOPY, AUTORADIOGRAPHY & CELLULAR LOCALIZATION OF THE CHITIN SYNTHESIS PROCESS.

STEVENSON AB : INTEGRATED PEST-MANAGEMENT OF VEGETABLE INSECT PESTS WITH EMPHASIS ON INSECTS ATTACKING CROPS.

SZETO SY : TRANSLOCATION, METABOLISM AND DEGRADATION OF PESTICIDES IN SOIL AND IN VEGETABLE AND SMALL FRUIT CROPS; CHEMICAL ASPECTS OF NATURAL ATTRACTANTS OF THESE CROPS TO INSECT PESTS. PUBLICATIONS AVAILABLE.

PETROCHEMICALS

MEISEN A : NATURAL-GAS PROCESSING. SULPHUR PRODUCTION, FORMING & HANDLING. PETROCHEMICALS MANUFACTURE.
ROBERTSON ID : LAND-USE PLANNING WESTERN & NORTHERN CANADA. SINGLE INDUSTRY RESOURCE TOWNS. ENVIRONMENTAL-IMPACT-ASSESSMENT PLANNING FOR MEGA-PROJECTS (PETROCHEMICALS, PIPELINES). URBAN REDEVELOPMENT. CITY PLANNING.

PETROLE

PAGEAU Y : ECONOMIE DES RESSOURCES MINERALES NON-RENOUVELABLE DONT LES RESSOURCES ENERGETIQUES (CHARBON, PETROLE, GAS ET URANIUM). ENERGIE VERSUS ENVIRONNEMENT (TOUTE ECONOMIE D'ENERGIE SE SOLDE EN AMELIORATION DE L' ENVIRONNEMENT.) PREOCCUPATION CONCERNANT L' ENERGIE NUCLEAIRE.

PETROLEUM

CHANDLER RL : GROUNDWATER CONTAMINATION FROM UNDERGROUND PETROLEUM STORAGE TANKS & INDUSTRIAL SOURCES. SITING & DESIGN OF MUNICIPAL OR INDUSTRIAL WASTEWATER STORAGE-PONDS.
CORMACK AC : SAFETY AND ENVIRONMENTAL MATTERS IN THE PETROLEUM INDUSTRY.
FERN GR : MANAGEMENT OF ENVIRONMENTAL RESEARCH. MANAGEMENT OF GOVERNMENT RELATIONS IN ENVIRONMENTAL AFFAIRS. MANAGEMENT OF ENVIRONMENTAL AFFAIRS IN PETROLEUM CHEMICAL INDUSTRY. EXPERTISE IN EMERGENCY RESPONSE. ORGANIZATION OF JOINT INDUSTRY & GOVERNMENT TEAMS.
HRUDEY SE : INDUSTRIAL WASTE-MANAGEMENT, PETROLEUM, ORGANIC CHEMICAL, OIL-SANDS, FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION CONTROL; WATER RECLAMATION AND REUSE; HAZARDOUS TOXIC-WASTE, MANAGEMENT, DISPOSAL; INDUSTRIAL BIOTECHNOLOGY; ANAEROBIC TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT; RISK-ASSESSMENT; HAZARD IDENTIFICATION CONTROL.
KUSHNER DJ : MICROORGANISMS IN EXTREME ENVIRONMENTS. BIODEGRADATION OF CELLULOSE AND OTHER CONSTITUENTS OF WOODS. BIODEGRADATION OF PETROLEUM AND ALKANES. ACTION OF HEAVY-METALS ON MICROORGANISMS AND OF MICROORGANISMS ON HEAVY-METAL.
LAWRENCE GR : RESOURCE EXPLORATION AND PRODUCTION SUPPORT, GROUNDWATER AND WASTE-SITE EVALUATION, WEATHER MODIFICATION AND METEOROLOGICAL SERVICES, REMOTE-SENSING AND BIOPHYSICAL STUDIES. PETROLEUM ENGINEERING, HYDROGEOLOGICAL, ATMOSPHERIC AND BIOPHYSICAL ASSESSMENTS.
LEE K : EVALUATION & DESIGN OF METHODS TO ENHANCE THE BIODEGRADATION OF PETROLEUM IN THE MARINE ENVIRONMENT. EFFECTS OF OIL DISPERSANTS ON MICROORGANISMS (BACTERIA & PHYTOPLANKTON). EFFECTS OF VANADIUM ON PHYTOPLANKTON PHYSIOLOGY & ECOLOGY.
LEVY EM : RESEARCH INTO THE FATE & EFFECTS OF OIL IN & ON MARINE ENVIRONMENT. GEOCHEMICAL STUDIES OF NATURAL SEEPAGE OF OIL & GAS FROM THE SEA BED. MICROBIOLOGICAL & CHEMICAL STUDIES OF OIL DEGRADATION. BACKGROUND LEVELS OF PETROLEUM IN THE MARINE ENVIRONMENT. PAH IN SEDIMENTS.
MACKO SA : NITROGEN GEOCHEMISTRY OF MARINE SEDIMENTS AND PETROLEUM; EARLY DIAGENESIS OF ORGANIC MATTER; RESOLUTION OF FOOD-WEBS & ORIGINS OF STROMATOLITES THROUGH STABLE ISOTOPE ANALYSIS; KINETIC-ISOTOPIC FRACTIONATION OF ORGANIC AND INORGANIC SUBSTRATES.
PERCY JA : ECOLOGY & PHYSIOLOGY OF ARCTIC MARINE INVERTEBRATES; SHORT AND LONG-TERM RESPONSES TO ENVIRONMENTAL STRESSES, PARTICULARLY THOSE ASSOCIATED WITH SEASONAL OSCILLATIONS IN THE ENVIRONMENT. PHYSIOLOGICAL EFFECTS OF PETROLEUM ON ARCTIC MARINE INVERTEBRATES.
PETROLEUM ASSOC FOR CONSERVATION : TO PROMOTE, WITHIN THE CANADIAN PETROLEUM INDUSTRY DEVELOPMENT AND APPLICATION OF THE PRINCIPLES AND SCIENCE OF ENVIRONMENTAL CONSERVATION, INCLUDING ENVIRONMENTAL-PROTECTION, OCCUPATIONAL-HEALTH AND SAFETY, PRODUCT TOXICITY AND ENERGY-CONSERVATION AS RELATED TO ENVIRONMENTAL-PROTECTION.
TOUGH G : MANUFACTURE, DISTRIBUTION AND SERVICING OF FLOW MEASUREMENT PRODUCTS & SYSTEMS FOR RESOURCE MANAGEMENT OF FLUIDS SUCH AS WATER, PETROLEUM PRODUCTS, CHEMICALS, SLURRIES AND NATURAL-GAS.
VANDERMEULEN JH : RESEARCH: PHYSIOLOGICAL & BIOCHEMICAL, POLLUTION STRESS IN AQUATIC ORGANISMS PRIMARILY FROM PETROLEUM HYDROCARBONS. PHYSICAL & CHEMICAL, FATE & DISPOSITION OF PETROLEUM HYDROCARBONS IN COASTAL SEDIMENTS. COASTAL ZONE POLLUTION & MANAGEMENT.

PH

BESNER DI : STUDIES ON VARIETY OF ENVIRONMENTAL ISSUES: IMPACTS OF ACID-RAIN (WET SULPHATE DEPOSITION), FATE OF PESTICIDES. PH SHOCK FROM SNOWMELT. ORIENTED TO PRACTICAL APPLICATION OF CONTROL PROGRAMS, ENVIRONMENTAL-PLANNING & ENVIRONMENTAL-ASSESSMENT TECHNIQUES.
DIONNE JL : RECHERCHES EN FERTILITE DES SOLS. ETUDES DES INTERACTIONS ENTRE LES ELEMENTS-NUTRITIFS ET LE PH DES SOLS, LA TEMPERATURE ET L' HUMIDITE DES SOLS.
HAVAS M : EFFECTS OF LOW PH AND METALS (A1, 2N, NI, FE, CA, ETC) ON SURVIVAL, REPRODUCTION, SODIUM REGULATION CHEMICAL-COMPOSITION OF AQUATIC INVERTEBRATES FROM BOTH ARCTIC (SMOKING HILLS, NWT) AND TEMPERATE REGIONS. METAL CONTENT AND LOCALIZATION IN AQUATIC MACROPHYTES. EFFECTS OF ALUMINUM ON SUGAR-MAPLE DIEBACK.
PETERSON RH : PHYSIOLOGICAL RESPONSES OF EARLY LIFE STAGES OF FISH TO LOW PH & ASSOCIATED TOXIC METALS; STRESSING INTERFERENCE WITH HATCHING, ION ACCUMULATION & AVOIDANCE. MONITORING OF LATE RESPONSES TO PH CHANGE.

PH

RANDALL DJ : CARBON-DIOXIDE & OXYGEN TRANSFER & ACID-BASE REGULATION IN FISH & AMPHIBIA. INTERACTIONS BETWEEN AMMONIA, CARBON-DIOXIDE & ION MOVEMENT ACROSS FISH GILLS. STUDIES ON FISH & AMPHIBIAN ERYTHROCYTE INTRACELLULAR PH REGULATION.

ROSA N : MONITORING OF RAIN PH FOR THE TOBACCO REGION OF SOUTHWESTERN ONTARIO TO ESTABLISH A REFERENCE POINT FOR CONTINUED MEASURE OF CHANGES AND EFFECTS UPON CROP PRODUCTION.

PHAGETYPING

MANKIEWICZ E : MICROBACTERIA: DIAGNOSIS OF INFECTIONS, TREATMENT, CLASSIFICATION OF MICROORGANISMS, PHAGETYPING FUNGI: DEEP MYCOTIC INFECTIONS. SEXUALLY-TRANSMITTED DISEASES: ORGANIZATION OF OUT PATIENT CLINICS, MICROBIOLOGICAL DIAGNOSIS, TREATMENT, PREVENTION (TEACHING).

PHARMACOKINETIC

FRASER AD : ANALYSIS & INTERPRETATION IN CLINICAL FORENSIC TOXICOLOGY. PHARMACOKINETIC STUDIES. DRUG INTERACTIONS.

PHENOL

MCKIM MP : DESIGN, DEVELOPMENT & APPLICATION OF WATER & AIR-POLLUTION ABATEMENT DEVICES. EXAMPLES ARE ROTATING BIOLOGICAL CONTACTORS, PHENOL CONTROL, WATER-REUSE SYSTEMS & USE OF PEAT FOR SEWAGE TREATMENT.

PHENOLIC

HRUDEY SE : INDUSTRIAL WASTE-MANAGEMENT, PETROLEUM, ORGANIC CHEMICAL, OIL-SANDS, FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION CONTROL; WATER RECLAMATION AND REUSE; HAZARDOUS TOXIC-WASTE, MANAGEMENT, DISPOSAL; INDUSTRIAL BIOTECHNOLOGY; ANAEROBIC TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT; RISK-ASSESSMENT; HAZARD IDENTIFICATION CONTROL.

PHEROMONES

JOBIN LJ : DEVELOPPEMENT DE PIEGES A INSECTES ET DE RESEAUX PERMETTANT LA DETECTION ET LA SURVEILLANCE D' INSECTES INVISIBLES AUX FORETS ET A L' AGRICULTURE. PIEGES A PHEROMONES SEXUELLES ET PIEGES-LUMINEUX. ENTOMOLOGIE FORESTIERE. PROTECTION DES FORETS.

RING RA : ECOLOGY AND PHYSIOLOGY OF OVERWINTERING BIOLOGY IN ARCTIC AND ALPINE-INSECTS. ECOLOGY OF INTERTIDAL INSECTS. USE OF PHEROMONES IN INSECT-CONTROL.

SANDERS CJ : BEHAVIOUR OF MOTHS IN RESPONSE TO SEX PHEROMONES AND IN DISPERSAL; ALSO ON INSECT POPULATION DYNAMICS. DEVELOPMENT OF INSECT MONITORING SYSTEMS (TRAPPING) AND POPULATION REGULATIONS (DISRUPTION OF MATING) USING SEX PHEROMONES.

PHOCHEMICAL

SANDHU HS : PHOCHEMICAL AIR-POLLUTION & ATMOSPHERIC-CHEMISTRY. ACIDIC-DEPOSITION INCLUDING TRANSPORT.

PHOSPHATE

AUCLAIR JC : HYDROBIOLOGIE; ECOLOGIE-AQUATIQUE; ECOSYSTEME AQUATIQUE; EUTROPHISATION; POLLUTION-EAU; LIMNOLOGIE; LAC ACIDIFICATION; PRECIPITATIONS-ACIDES LAC; ALGUE PLANCTON; PHYTOPLANCTON; CHLOROPHYLLE; OXYGENE DISSIUS; MATIERE ORGANIQUE; PHOSPHATE; PHOSPHORE.

PHOSPHATES

LOMAS H : RESEARCH RELATED TO ENVIRONMENTAL PROBLEMS: DEVELOPMENT OF BIODEGRADABLE-DETERGENTS; SUBSTITUTION FOR PHOSPHATES IN DETERGENTS: RECYCLING OF WASTEWATER & FLOCCULATION OF PAPER FINES IN PAPER MILL EFFLUENTS.

PHOSPHORE

AUCLAIR JC : HYDROBIOLOGIE; ECOLOGIE-AQUATIQUE; ECOSYSTEME AQUATIQUE; EUTROPHISATION; POLLUTION-EAU; LIMNOLOGIE; LAC ACIDIFICATION; PRECIPITATIONS-ACIDES LAC; ALGUE PLANCTON; PHYTOPLANCTON; CHLOROPHYLLE; OXYGENE DISSIUS; MATIERE ORGANIQUE; PHOSPHATE; PHOSPHORE.

PHOSPHORE

PHOSPHORUS

DOBSON HFH : ST-LAWRENCE & GREAT-LAKES: WATER-CHEMISTRY, WATER-QUALITY: TREND ANALYSIS AND MAPPING OF DISTRIBUTIONS, ESPECIALLY THE ASPECT OF PHOSPHORUS MANAGEMENT AND ITS RESULTS.
GEHR R : WATER & WASTEWATER-TREATMENT, SPECIFICALLY POLYELECTROLYTE USAGE, CHARACTERIZATION & INTERACTIONS; PHOSPHORUS REMOVAL; STATISTICAL-ANALYSIS OF BIODEGRADATION & RIVER QUALITY DATA; ATTACHED VS SUSPENDED GROWTH PROCESSES.
JONES PH : STUDY, DESIGN AND OPERATION OF BIOLOGICAL WASTEWATER-TREATMENT, SOLID-WASTE MANAGEMENT, TOXIC AND HAZARDOUS-CHEMICALS, CHEMICAL-ACCIDENTS, ENVIRONMENTAL HEALTH IMPACT-ASSESSMENT. BIOLOGICAL REMOVAL ON PHOSPHORUS AND NITROGEN.
KENNEY BC : PHYSICAL LIMNOLOGY OF PRAIRIE LAKES INCLUDING ASPECTS OF AIR & WATER INTERACTION, MIXING AND TURBULENCE, SEDIMENT RESUSPENSION AND LARGE SCALE LAKE CIRCULATION. EUTROPHICATION AND PHOSPHORUS DYNAMICS MODELS. WATER CIRCULATION UNDER WINTER ICE.
MCKERCHER RB : STUDIES ON SOIL ORGANIC PHOSPHORUS & ON SOIL APPLIED HERBICIDES. TEACH COURSE IN SOIL BIOCHEMISTRY AT POST-GRADUATE LEVEL.

PHOTO-MENSURATION

HALL RJ : LARGE-SCALE PHOTOGRAPHY & DIGITAL IMAGE ANALYSIS RESEARCH, PHOTO-MENSURATION, AERIAL-PHOTOGRAPHY SYSTEMS & INSTRUMENTATION DEVELOPMENT (EG. CAMERA CONTROL), STATISTICAL & SAMPLING DESIGN & ANALYSIS, AERIAL PHOTO FLIGHT PLANNING, TECHNOLOGY-TRANSFER.

PHOTOCHEMICAL

SCHIFF H : MEASUREMENT OF ATMOSPHERIC GASES. ATMOSPHERIC-CHEMISTRY. OZONE DEPLETION. ACID-DEPOSITION. PHOTOCHEMICAL OXIDANTS & SMOG. GLOBAL CLIMATE INFLUENCED BY ATMOSPHERIC-CHEMISTRY.
UNGER I : PHOTODEGREDATION, PHOTOLYSIS AND PHOTOCHEMICAL REACTIONS OF PESTICIDES. THE INTERACTION OF SUNLIGHT WITH PESTICIDES. FLUORESCENCE, PHOSPHORESCENCE AND ABSORPTION CHARACTERISTICS OF PESTICIDES.

PHOTOCHEMISTRY

SCHROEDER WH : ATMOSPHERIC-CHEMISTRY; PHOTOCHEMISTRY; MERCURY & ITS COMPOUNDS IN THE ENVIRONMENT; HEAVY-METALS & AMBIENT AIR; SAMPLING & ANALYSIS OF TRACE-ELEMENTS; TOXIC-CHEMICALS: ATMOSPHERIC SOURCES, TRANSPORT, TRANSFORMATION, REMOVAL & ENVIRONMENTAL FATE.

PHOTOLYSIS

UNGER I : PHOTODEGREDATION, PHOTOLYSIS AND PHOTOCHEMICAL REACTIONS OF PESTICIDES. THE INTERACTION OF SUNLIGHT WITH PESTICIDES. FLUORESCENCE, PHOSPHORESCENCE AND ABSORPTION CHARACTERISTICS OF PESTICIDES.

PHOTON

JURY JW : INVESTIGATION OF RADON GAS IN NATURAL WATERS. TRACE-ELEMENT ANALYSIS USING PHOTON & NEUTRON ACTIVATION TECHNIQUES. PHOTON SPECTROSCOPY (GAMMA-RAYS). RADIATION IMAGING & MONITORING.

PHYCOCOLLODS

CRAIGIE JS : PHYSIOLOGY, BIOCHEMISTRY & AQUACULTURE OF ALGAE WITH SPECIAL INTEREST IN CELL WALLS & PHYCOCOLLODS OF MARINE SPECIES.

PHYCOLOGY

CHARLTON SED : PHYCOLOGY, LIMNOLOGY OF RUNNING WATER, LAKES & RESERVOIRS.
SOUTH GR : MARINE PHYCOLOGY, EXPERIMENTAL ECOLOGY, FLORISTICS, LABORATORY CULTURE, LIFE-HISTORIES OF BENTHIC MARINE MACROALGAE. MARINE BIOGEOGRAPHY OF THE NORTH ATLANTIC OCEAN.

PHYSICO-CHIMIQUES

GARNEAU F : ETUDE DES PROPRIETES PHYSICO-CHIMIQUES ET MISE EN VALEUR DES SUBSTANCES NATURELLES D'ORIGINE MARINE ET LEUR ROLE CHEZ LES ORGANISMES AQUATIQUES.

PHYSICS

BIOMAIL OFFICE : FUNDAMENTAL RESEARCH IN ALL FIELDS OF MARINE SCIENCES (PHYSICS, BIOLOGY, CHEMISTRY & GEOLOGY) & FISHERIES. HYDROGRAPHIC SURVEYS; PRODUCTION OF NAVIGATIONAL CHARTS FOR REGIONS FROM GEORGE'S BANK TO THE NORTHWEST PASSAGE IN THE CANADIAN ARCTIC; RESEARCH ON POSITIONING SYSTEMS.
CHISHOLM AJ : MANAGEMENT OF RESEARCH IN STRATOSPHERIC POLLUTION, OZONE MONITORING, SOLAR ENERGY, WEATHER RADAR, CLOUD PRECIPITATION PHYSICS, CLOUD CHEMISTRY & ACID-FOG. HEAD, CANADIAN DELEGATION NEGOTIATING THE VIENNA CONVENTION FOR THE PROTECTION OF THE OZONE LAYER.
CLARK JS : DIRECTOR OF THE LAND RESOURCE RESEARCH CENTRE. HAS RESPONSIBILITY FOR NATIONAL SOIL SURVEY PROGRAMS AND FOR RESEARCH AND DEVELOPMENT IN SOIL PHYSICS, CHEMISTRY, MINERALOGY AND MICROBIOLOGY, AGROMETEOROLOGY AND LAND USE AND EVALUATION.
ISAAC GA : RESEARCH ON CLOUD PHYSICS, CLOUD CHEMISTRY, AEROSOL PHYSICS, ACID-RAIN, MESOSCALE METEOROLOGY, WEATHER RADAR, WEATHER MODIFICATION, CLOUD CLIMATOLOGY & AIRCRAFT METEOROLOGICAL INSTRUMENTATION.
MAYBANK J : RESEARCH IN CLOUD PHYSICS, INCLUDING WEATHER MODIFICATION AND IMPACT-ASSESSMENT FOR AGRICULTURE; AEROSOL AND SPRAY DROPLET DISSEMINATION, ESPECIALLY RELATED TO PESTICIDE SPRAY APPLICATION AND SPRAY DRIFT; AGROCLIMATOLOGY AND AIR-POLLUTION.
MELO OT : AEROSOL SCIENCE. NUCLEPORE-FILTER TECHNIQUE. PLUME CHEMISTRY RESEARCH. STUDIES OF CLOUD PHYSICS AND CHEMISTRY ASPECTS OF ACID-RAIN.

PHYSIOGRAPHIE

FORTIN JP : HYDROLOGIE; HYDROMETEOROLOGIE; PRECIPITATION; PLUIE; NEIGE; RUISSELLEMENT; DEBIT; ECOULEMENT; PHYSIOGRAPHIE; RIVIERE; BASSIN VERSANT; CRUE; INONDATION; TELEDETECTION EAU; SATELLITE EAU; INTEGRATION DES DONNEES; STATISTIQUE HYDROLOGIE; GESTION-EAU; PLANIFICATION-EAU; PREVISION EAU; DECISION EAU; PROTECTION EAU; CONTROLE-EAU; MODELE HYDROLOGIQUE; CEQUEAU MODELE; MODELE DETERMINISTE MAILLE-CARREAU; MODELE D AJUSTEMENT; PREVISION HYDROLOGIQUE; PREVISION ECOULEMENT; PREVISION TEMPS REEL; RESEAU HYDROLOGIQUE; PLUVIOMETRE; RADAR HYDROLOGIE; STATION-PLUVIOMETRIQUE; RESEAU RADAR METEOROLOGIE; PRECIPITATIONS-ACIDES; POLLUANTS-ATMOSPHERIQUES; TRANSPORT-A-LONGUE-DISTANCE; MODELE STATISTIQUE; DIFFUSION UNIDIMENSIONNEL; ANISOTROPIE-SPATIALE.

PHYSIOGRAPHY

BURGER D : FOREST LAND-CLASSIFICATION. EXPERTISE: TREE SPECIES, SITE RELATIONSHIPS (LOCAL & REGIONAL) SOILS, PHYSIOGRAPHY. PROJECTS: SITE REGIONS OF ONTARIO; FOREST ECOREGIONS NORTHEAST US; COMPARISON OF ECOLOGICAL CONDITIONS IN ONTARIO & NORTHEAST CHINA.

PHYSIOLOGICAL

FEUER GM : MECHANISM OF ACTION OF FOREIGN COMPOUNDS ON THE LIVER CELL AND ITS PHYSIOLOGICAL AND PATHOLOGICAL CONSEQUENCES IN VARIOUS TARGET ORGANS. ROLE OF STEROID HORMONES AND RECEPTOR BINDING IN THE IATROGENIC ACTIONS OF ENVIRONMENTAL CHEMICALS ON THE LIVER, PARTICULARLY IN TUMOUR PRODUCTION (CHEMICAL CARCINOGENESIS). STUDIES ON HUMAN MELANOMA RELATED TO ALTERED PINEAL FUNCTION.
GOUDEY JS : PHYSIOLOGICAL & BIOCHEMICAL RESPONSES OF PLANTS TO ENVIRONMENTAL STRESSES (AGRICULTURAL & INDUSTRIAL WASTES).
HARA TJ : PHYSIOLOGICAL, BIOCHEMICAL, MORPHOLOGICAL & BEHAVIORAL STUDIES ON CHEMORECEPTION IN FISH; ITS ROLE IN MIGRATION & REPRODUCTION; ITS APPLICATION TO FISHING & AQUACULTURE; & ITS INTERACTIONS WITH TOXIC CHEMICALS & ACID-PRECIPITATION.
HOGAN GD : INVESTIGATION OF INTERACTION BETWEEN ENVIRONMENTAL CHEMICAL (IE. AIR-POLLUTANTS) AND PHYSICAL (IE. DROUGHT) FACTORS ON THE PHYSIOLOGICAL RESPONSE OF NATIVE FOREST SPECIES.
HSIAO SIC : PHYSIOLOGICAL ECOLOGY OF ARCTIC MARINE PHYTOPLANKTON, SEA ICE MICROALGAE AND SEAWEED.
MAUN MA : POPULATION-DYNAMICS AND PHYSIOLOGICAL ECOLOGY OF VEGETATION ON LAKE HURON SAND-DUNES, INSECT & PLAN INTERACTIONS ON SAND-DUNE SYSTEMS. RECOLONIZATION OF SAND-DUNE SYSTEMS.
PERCY JA : ECOLOGY & PHYSIOLOGY OF ARCTIC MARINE INVERTEBRATES; SHORT AND LONG-TERM RESPONSES TO ENVIRONMENTAL STRESSES, PARTICULARLY THOSE ASSOCIATED WITH SEASONAL OSCILLATIONS IN THE ENVIRONMENT. PHYSIOLOGICAL EFFECTS OF PETROLEUM ON ARCTIC MARINE INVERTEBRATES.
PETERSON RH : PHYSIOLOGICAL RESPONSES OF EARLY LIFE STAGES OF FISH TO LOW PH & ASSOCIATED TOXIC METALS; STRESSING INTERFERENCE WITH HATCHING, ION ACCUMULATION & AVOIDANCE. MONITORING OF LATE RESPONSES TO PH CHANGE.

PHYSIOLOGICAL

REDMANN RE : PHYSIOLOGICAL PLANT ECOLOGY, GRASSLAND ECOLOGY, POLLUTION EFFECTS ON PLANTS, ESPECIALLY AIRBORNE SALTS AND ACIDITY, DROUGHT STRESS EFFECTS, PLANT WATER RELATIONS, CARBON-DIOXIDE EXCHANGE IN PLANTS.
ROSLYCKY EB : IMPACT OF HERBICIDES AND OTHER PESTICIDES ON SOIL MICROFLORA IN RELATION TO BASIC SOIL PHYSIOLOGICAL PROCESSES, INCLUDING NITROGEN FIXATION, SOIL FERTILITY, PESTICIDE ACCUMULATION, RESIDUE FORMATION AND EFFECTS OF VARIOUS AMENDMENTS, INCLUDING BIOTIC ON ITS BREAKDOWN.
VANDERMEULEN JH : RESEARCH: PHYSIOLOGICAL & BIOCHEMICAL, POLLUTION STRESS IN AQUATIC ORGANISMS PRIMARILY FROM PETROLEUM HYDROCARBONS. PHYSICAL & CHEMICAL, FATE & DISPOSITION OF PETROLEUM HYDROCARBONS IN COASTAL SEDIMENTS. COASTAL ZONE POLLUTION & MANAGEMENT.

PHYSIOLOGIE

BOLDUC RJ : PHYSIOLOGIE ET BIOCHIMIE DU FROID, DE LA SECHERESSE ET DE LA SALINITE CHEZ LES PLANTES CULTIVEES. PHYSIOLOGIE DE LA PRODUCTION DES PLANTES CULTIVEES SOUS CHACUN DE CES STRESS. CULTURES A L'ETUDE: HERBAGES, CEREALES, PLANTES ORNEMENTALES, CULTURES FRUITIERES, ESPECES LIGNEUSES.

PHYTOPLANCTON

AUCLAIR JC : HYDROBIOLOGIE; ECOLOGIE-AQUATIQUE; ECOSYSTEME AQUATIQUE; EUTROPHISATION; POLLUTION-EAU; LIMNOLOGIE; LAC ACIDIFICATION; PRECIPITATIONS-ACIDES LAC; ALGUE PLANCTON; PHYTOPLANCTON; CHLOROPHYLLE; OXYGENE DISSIUS; MATIERE ORGANIQUE; PHOSPHATE; PHOSPHORE.
COTE R : ETUDES DE LA TOXICITE DES REJETS-INDUSTRIELS SUR L' ECOPHYSIOLOGIE DES POPULATIONS PLANCTONIQUES (PHYTOPLANCTON ET ZOOPLANCTON).
COUTURE P : UTILISATION D'INDICATEURS BIOLOGIQUES, EN PARTICULIER LE PHYTOPLANCTON (ALGUES UNICELLULAIRES) POUR DETERMINER LA QUALITE DE L' EAU: ASPECT EUTROPHISATION, ASPECTS ECOLOGIQUE ET TOXICOLOGIQUE, RELATIONS STRUCTURE FONCTION, BIOESSAIS IN VITRO, BIOESSAIS IN SITU, COMMUNAUTE MICROBIENNE, PRODUCTION PRIMAIRE, CHARGE ENERGETIQUE ACCLIMATION.

PHYTOPLANKTON

DURVASULA V SUBBARAO : PHYSIOLOGY & ECOLOGY OF PRIMARY PRODUCTION & MARINE PHYTOPLANKTON AIMED AT UNDERSTANDING THE FUNCTIONING OF THE MARINE ENVIRONMENT AND ITS RESPONSE AND RECOVERY TO ECOLOGICAL PERTURBATIONS.
DUTHIE HC : ECOLOGY AND TAXONOMY OF PHYTOPLANKTON AND PERIPHYTON. RESERVOIR BIOLOGY AND MODELLING; ALGAL-SYSTEMATICS; PALEOLIMNOLOGY AND DIATOMS.
HECKY RE : PALEOLIMNOLOGY AND LIMNOLOGY OF AFRICAN GREAT LAKES; RESERVOIR LIMNOLOGY; PHYTOPLANKTON AND DIATOM ECOLOGY; AQUATIC PRIMARY PRODUCTIVITY; CYCLING AND BIOACCUMULATION OF MERCURY.
HSIAO SIC : PHYSIOLOGICAL ECOLOGY OF ARCTIC MARINE PHYTOPLANKTON, SEA ICE MICROALGAE AND SEAWEED.
KALFF J : AQUATIC ECOLOGY, LIMNOLOGY, MACROPHYTES AND PHYTOPLANKTON, NUTRIENTS, PRODUCTION AND BIOMASS, WATERSHEDS, NUTRIENT AND TOXINS RELATIONSHIPS OF PRIMARY PRODUCTION TO SECONDARY AND FISH PRODUCTION. TROPICAL, TEMPERATE AND ARCTIC LAKES.
LAKSHMINARAYANA JSS : BIOLOGICAL LIMNOLOGY & OCEANOGRAPHY; POLLUTION, WATER-QUALITY, ALGAE, PHYTOPLANKTON, PRODUCTIVITY. TEACHING, SCIENTIFIC RESEARCH & DEVELOPMENT: COASTAL, MARINE & FRESHWATER ENVIRONMENT.
LEE K : EVALUATION & DESIGN OF METHODS TO ENHANCE THE BIODEGRADATION OF PETROLEUM IN THE MARINE ENVIRONMENT. EFFECTS OF OIL DISPERSANTS ON MICROORGANISMS (BACTERIA & PHYTOPLANKTON). EFFECTS OF VANADIUM ON PHYTOPLANKTON PHYSIOLOGY & ECOLOGY.
PRAKASH A : MARINE POLLUTION, COASTAL ZONE MANAGEMENT, COASTAL AQUACULTURE, SHELLFISH, MARINE PRODUCTIVITY, RED-TIDES, SHELLFISH POISONING, ENVIRONMENTAL-QUALITY, ECOLOGY, ENVIRONMENTAL-IMPACT-ASSESSMENT MARINE PHYTOPLANKTON, TOXICITY, PHYSIOLOGY, DINOFLAGELLATES.
STEWART DB : BIOLOGICAL AND LIMNOLOGICAL INVENTORY OF LAKES IN THE NORTHWEST TERRITORIES; ZOOGEOGRAPHY, ECOLOGY, LIFE-HISTORY, AND PARASITISM OF ARCTIC FRESHWATER ANADROMOUS, AND MARINE FISHES; ZOOPLANKTON, PHYTOPLANKTON, AQUATIC INSECTS, AND WATER-CHEMISTRY OF ARCTIC LAKES; PHOTOGRAPHIC RECORD.
WHYTE JNC : BIOCHEMICAL INVESTIGATIONS ON ENVIRONMENTAL STRESS RELATED TO LIVE HOLDING & STORAGE CONDITIONS FOR SHELLFISH. STUDIES ON CHANGES OF METABOLIC & ENERGY RESERVES IN BIVALVES SUBJECTED TO NATURAL OR ARTIFICIAL FEED (FROM BATCH CULTURED MARINE PHYTOPLANKTON).
WONG PTS : ALGAL PHYSIOLOGY & TOXICOLOGY; TRANSFORMATION OF HEAVY METALS IN AQUATIC ENVIRONMENT; EFFECTS OF CHEMICALS IN AQUATIC BIOTA (FISH & PHYTOPLANKTON).

PHYTOSEIID-MITES

PHYTOSEIID-MITES

LE BLANC JPR : POPULATION ECOLOGY; EFFECTS OF TEMPERATURE ON THE PREDATORY PHYTOSEIID-MITES ON APPLE. SOIL ARTHROPODS SURVEY & RELATIONSHIP TO SOIL-FERTILITY. INTEGRATED PEST-MANAGEMENT PROGRAMS OF AGRICULTURAL PESTS, PRIMARILY TRAPPING & MONITORING TECHNIQUES. CURATOR OF THE ENTOMOLOGICAL COLLECTIONS.

PHYTOTOXICOLOGY

ROWSELL JA : CONSULTANT IN TERRESTRIAL-ECOLOGY: BIOCHEMICAL DYNAMICS; REMOTE-SENSING DATA-ANALYSIS; PHYTOTOXICOLOGY; INDUSTRIAL WASTE-MANAGEMENT; LAND APPLICATION OF WASTES; ENVIRONMENTAL-IMPACT-ASSESSMENT; ECOLOGICAL LAND-CLASSIFICATION; PEATLAND BIOLOGY; FLORA, FAUNA SURVEYS.

PHYTOZOOPLANCTON

PINEL-ALLOUL B : ECOLOGIE-AQUATIQUE; ZOOPLANCTON; INTERACTIONS TROPHIQUES. PHYTOZOOPLANCTON. ECOTOXICOLOGIE: EFFETS DES METAUX-LOURDS ET DES POLLUANTS ASSOCIE AUX SEDIMENTS SUR LE ZOOPLANCTON. ENVIRONNEMENT: EFFETS DE LA MISE EN EAU DES RESERVOIRS NORDIQUES SUR LE ZOOPLANCTON.

PIEGES

JOBIN LJ : DEVELOPPEMENT DE PIEGES A INSECTES ET DE RESEAUX PERMETTANT LA DETECTION ET LA SURVEILLANCE D' INSECTES INVISIBLES AUX FORETS ET A L' AGRICULTURE. PIEGES A PHEROMONES SEXUELLES ET PIEGES-LUMINEUX. ENTOMOLOGIE FORESTIERE. PROTECTION DES FORETS.

PIPELINE

FARKAS EJ : NATURAL-GAS TRANSMISSION BY PIPELINE, NATURAL-GAS METERING AT HIGH PRESSURE, USE OF NATURAL-GAS AS A MOTOR-VEHICLE FUEL; SOLID, LIQUID, AND NUCLEAR-WASTE MANAGEMENT; AIR AND WATER-POLLUTION, ION-EXCHANGE.

PIPELINES

ROBERTSON ID : LAND-USE PLANNING WESTERN & NORTHERN CANADA. SINGLE INDUSTRY RESOURCE TOWNS. ENVIRONMENTAL-IMPACT-ASSESSMENT PLANNING FOR MEGA-PROJECTS (PETROCHEMICALS, PIPELINES). URBAN REDEVELOPMENT. CITY PLANNING.

PLANCTON

AUCLAIR JC : HYDROBIOLOGIE; ECOLOGIE-AQUATIQUE; ECOSYSTEME AQUATIQUE; EUTROPHISATION; POLLUTION-EAU; LIMNOLOGIE; LAC ACIDIFICATION; PRECIPITATIONS-ACIDES LAC; ALGUE PLANCTON; PHYTOPLANCTON; CHLOROPHYLLE; OXYGENE DISSIUS; MATIERE ORGANIQUE; PHOSPHATE; PHOSPHORE.

PLANIFICATION-EAU

FORTIN JP : HYDROLOGIE; HYDROMETEOROLOGIE; PRECIPITATION; PLUIE; NEIGE; RUISSELLEMENT; DEBIT; ECOULEMENT; PHYSIOGRAPHIE; RIVIERE; BASSIN VERSANT; CRUE; INONDATION; TELEDETECTION EAU; SATELLITE EAU; INTEGRATION DES DONNEES; STATISTIQUE HYDROLOGIE; GESTION-EAU; PLANIFICATION-EAU; PREVISION EAU; DECISION EAU; PROTECTION EAU; CONTROLE-EAU; MODELE HYDROLOGIQUE; CEQUEAU MODELE; MODELE DETERMINISTE MAILLE-CARREAU; MODELE D AJUSTEMENT; PREVISION HYDROLOGIQUE; PREVISION ECOULEMENT; PREVISION TEMPS REEL; RESEAU HYDROLOGIQUE; PLUVIOMETRE; RADAR HYDROLOGIE; STATION-PLUVIOMETRIQUE; RESEAU RADAR METEOROLOGIE; PRECIPITATIONS-ACIDES; POLLUANTS-ATMOSPHERIQUES; TRANSPORT-A-LONGUE-DISTANCE; MODELE STATISTIQUE; DIFFUSION UNIDIMENSIONNEL; ANISOTROPIE-SPATIALE.

SASSEVILLE JL : IMPACT-ENVIRONNEMENTAL; ENVIRONNEMENT-AQUATIQUE; EVALUATION-DES-IMPACTS; ENVIRONNEMENT EAU; ECOSYSTEME AQUATIQUE; RESSOURCE EAU; GESTION-EAU; PLANIFICATION-EAU; ADMINISTRATION EAU; DEVELOPPEMENT EAU; DECISION EAU; PREVISION EAU; CONTROLE-EAU; EVALUATION RISQUE-ENVIRONNEMENT; UTILISATION EAU; UTILISATION ENVIRONNEMENT; UTILISATION RESSOURCE EAU; APPROCHE SYSTEMIQUE; METHODOLOGIE EVALUATION; ANALYSE DE SYSTEME.

PLANKTON

WHITE AW : MARINE PLANKTON ECOLOGY, PHYSIOLOGY, TOXICOLOGY. TOXIC PLANKTON BLOOMS. PARALYTIC SHELLFISH-POISONING. EFFECTS OF TOXIC RED-TIDES ON SHELLFISH AND FINFISH RESOURCES. FATE AND CONSEQUENCES OF MARINE TOXINS IN FOOD-WEBS.

PLANT

ACHUFF PL : RESEARCH & INVENTORY STUDIES IN PLANT ECOLOGY VEGETATION DESCRIPTION & ANALYSIS; NATURAL RESOURCE INVENTORY AND MONITORING, CONSERVATION ECOLOGY & MANAGEMENT; PARKS, ECOLOGICAL RESERVES & NATURAL AREAS.

AHMAD I : METHODS DEVELOPMENT & TRACE RESIDUE ANALYSIS OF PESTICIDES (HERBICIDES, INSECTICIDES, PLANT GROWTH REGULATORS), METABOLITES, PCBS, ORGANICS IN ENVIRONMENTAL & AGRICULTURAL MATRICES. ORGANIC SYNTHESIS. REACTIONS IN ORGANIC-CHEMISTRY.

BARCLAY-ESTRUP P : VEGETATION, SOIL, AIR-POLLUTION INTERRELATIONSHIPS, ESPECIALLY BRYOPHYTES AND LICHENS, ACID-PRECIPITATION AND HEAVY-METAL ACCUMULATIONS. GENERAL PLANT ECOLOGY.

BATES TE : SOIL-FERTILITY, PLANT NUTRIENT RESPONSE & PREDICTION OF REQUIREMENTS, SOIL TESTING & PLANT ANALYSIS INCLUDING MICRONUTRIENTS & HEAVY-METALS, USE OF SEWAGE SLUDGE ON LAND.

BOLLO-KAMARA A : DEVELOPING ANALYTICAL METHODS FOR DETERMINING NUTRIENT STATUS OF SOILS FOR FERTILITY AND DIAGNOSIS PURPOSES. NEW PROCEDURES FOR DETERMINING PLANT AND FEED QUALITY FOR ESTABLISHING DIAGNOSTIC TESTS FOR FIELD CROP CALIBRATION.

CHARNETSKI WA : RELATIONSHIP OF AERIAL & GROUND APPLICATION OF AGRICULTURAL SPRAYS TO INSECT-CONTROL & PLANT DENSITY TO CROP CANOPY PENETRATION ON ALFALFA & CEREALS. EVALUATION OF INSECTICIDES & THEIR SAFETY TO BENEFICIAL INSECTS INCLUDING LEAFCUTTER-BEES. INSECTICIDE RESIDUE DYNAMICS IN TERRESTRIAL & AQUATIC-ECOSYSTEMS.

CHIA CJ : MERCURY POLLUTION, WASTE ALKYLATION ACID, WASTE SULPHATE SOLUTION FROM CHLORALKALI PLANT. AMMONIA CONDENSATES & THEIR TREATMENT AND OR RECOVERY.

COX RM : EFFECTS OF AIR-POLLUTION ON FOREST PLANT REPRODUCTION & PRODUCTIVITY INCLUDING EFFECTS OF ACID-RAIN OR ACID-FOG & TRACE-ELEMENTS. EVALUATION TRACE-ELEMENT TOLERANCE IN NATIVE PLANTS.

DESCHENES JM : DEVELOPMENT OF CROP PLANTS VIA CONVENTIONAL & BIOTECHNOLOGICAL BREEDING TECHNIQUES. PLANT SUPPORT PROGRAMS IN STRESS PHYSIOLOGY PROTECTION, NITROGEN FIXATION & MYCOTOXINS.

DUGLE JR : BIOSYSTEMATICS & PLANT ECOLOGY. EFFECTS OF GAMMA-RAYS ON PLANT SPECIES & ASSOCIATIONS WITH EMPHASIS ON TREES & SHRUBS.

DUNCAN CE : AIR-QUALITY & PRECIPITATION QUALITY MONITORING, ACID-RAIN MATHEMATICAL-MODELLING, METEOROLOGY, CONTROL & PROCESS TECHNOLOGY, HAZARDOUS CONTAMINANTS, STANDARD SETTING & REGULATION, SOURCE ASSESSMENT & MEASUREMENTS, VEHICLE EMISSIONS, SOILS & VEGETATION ASSESSMENT, PLANT PATHOLOGY EMERGENCY RESPONSE.

ERRINGTON JC : ADMINISTER MINE RECLAMATION ACTIVITY IN BRITISH-COLUMBIA. SOME RESEARCH CONDUCTED ON PLANT SPECIES SUITABILITY ON MINE WASTE MATERIAL. RESEARCH COMMISSIONED ON COSTS & BENEFITS OF WASTE DUMP RESLOPING & OF USING VALLEY ROCK DRAINS.

GRANT WF : CYTOGENETIC EFFECTS OF ENVIRONMENTAL CHEMICALS, PRIMARILY PESTICIDES. USE OF HIGHER PLANT ASSAY SYSTEMS FOR TESTING FOR ENVIRONMENTAL-MUTAGENS.

HARMS VL : TAXONOMY AND PHYTOGEOGRAPHY OF THE VASCULAR PLANT FLORA OF SASKATCHEWAN AND ADJACENT REGIONS. PHYTOGEOGRAPHY OF SASKATCHEWAN RARE PLANTS. TAXONOMY OF HETEROTHECA (COMPOSITAE), (SPARGIANACEAE), PETASITES (COMPOSITAE), AND NORTHERN PLAINS GRASSES, (GRAMINEAE) AND ORCHIDS (ORCHIDAICEA).

HARRISON PG : ECOLOGY OF ESTUARINE PLANTS (SEAGRASSES & ALGAE), ESPECIALLY POPULATION-DYNAMICS & PLANT & ANIMAL INTERACTIONS. FUNCTIONAL ECOLOGY OF DETRITUS BASED ECOSYSTEMS.

JORDAN DC : BIOLOGICAL NITROGEN FIXATION REGARDING RHIZOBIA LEGUMINOUS PLANT ASSOCIATION. SYSTEMATICS OF RHIZOBIUM AND BRADYRHIZOBIUM. CARBON-DIOXIDE FIXATION BY RHIZOBIA. POWDER TYPE LEGUME INOCULANTS.

KHAN SU : FATE OF PESTICIDES IN SOIL, PLANT, WATER & ANIMALS. ENVIRONMENTAL-POLLUTION. CHEMICAL & BIODEGRADATION OF PESTICIDES. BIOAVAILABILITY & TOXICOLOGY OF PESTICIDES IN ANIMALS, PESTICIDE DEGRADING PLASMIDS, BIOTECHNOLOGY OF PESTICIDES.

LABAJ AB : WEED SCIENCE; PERENNIAL WEED CONTROL; PLANT NUTRITION; TISSUE CULTURING (STERILE CULTURE) OF PERENNIAL WEEDS. BIOTYPICAL STUDIES OF WEEDS; WEED PHYSIOLOGY.

LECHOWICZ MJ : ECOLOGY OF PLANT PRODUCTIVITY. CONTROLS ON PLANT GROWTH AND REPRODUCTION, ESPECIALLY FOR ANNUAL WEEDS LIKE XANTHIUM-STRUMARIUM. NATURAL TREE DEFENSES AGAINST LEAF-FEEDING CATERPILLARS. CLIMATIC CONTROL OF LICHEN PRODUCTIVITY. ACID-RAIN EFFECTS ON LICHEN PRODUCTIVITY.

LETARTE R : QUALITY CONTROL OF WATER. SAFETY FOR HEALTH OF BIOLOGICAL PRODUCTS USED AGAINST PLANT DISEASES.

OSWALD ET : VEGETATION CLASSIFICATION AND MAPPING, PLANT ECOLOGY, FOREST RESOURCE ANALYSES AND ENVIRONMENTAL-IMPACT-ASSESSMENTS IN NORTH AND WEST CANADA, EXPERTISE IN VEGETATION CLASSIFICATION, SITE-ANALYSIS, PLANT-SUCCESSION, WETLANDS AND REMOTE-SENSING.

QURESHI FA : PLANT PHYSIOLOGY. MODE OF ACTION OF HERBICIDES, ENVIRONMENTAL FACTORS AND PERFORMANCE OF HERBICIDES, CHEMICAL WEED CONTROL IN CEREALS AND OILSEED CROPS, EXTENSION AND ADVISORY SERVICE IN WEED CONTROL AND HERBICIDE DAMAGE DIAGNOSTIC.

REDMANN RE : PHYSIOLOGICAL PLANT ECOLOGY, GRASSLAND ECOLOGY, POLLUTION EFFECTS ON PLANTS, ESPECIALLY AIRBORNE SALTS AND ACIDITY, DROUGHT STRESS EFFECTS, PLANT WATER RELATIONS, CARBON-DIOXIDE EXCHANGE IN PLANTS.

SCHNITZER M : CHEMISTRY & REACTIONS OF HUMIC-SUBSTANCES IN SOILS. CHEMICAL COMPOSITION & STRUCTURE OF NITROGEN COMPOUNDS IN SOILS & THEIR EFFECTS ON PLANT GROWTH & ON THE ENVIRONMENT.

SHEPPARD MI : SOIL MIGRATION & PLANT UPTAKE OF CHEMICAL & RADIOACTIVE-WASTES. COMPUTER MODELLING TO PREDICT SOIL RESIDENCE TIMES & LEACH RATES. PHYSICAL, CHEMICAL, THERMAL & RADIOLOGICAL CHARACTERIZATION OF SOILS.

PLANT

SIDHU SS : EFFECTS OF FLUORIDES IN THE ATMOSPHERE ON PLANTS & SOILS. EFFECTS OF SIMULATED ACID-RAIN ON PLANT POLLEN; BAFFERING CAPACITY OF PLANT SPECIES. EFFECTS OF HERBICIDES ON TARGET & NON-TARGET SPECIES; RESIDUES IN SOILS & PLANTS AND MOVEMENT OF HERBICIDES IN SOILS.
SIEBERT H : ENVIRONMENTAL-MONITORING OF PLANT, AIR & WATER EFFLUENTS. SUGGESTING REMEDIAL CORRECTIVE ACTIONS ON VIOLATIONS.
SLATER GP : DETERMINATION OF VOLATILE ORGANIC-COMPOUNDS (POLLUTANTS OR NATURALLY OCCURRING) IN WATER. DETERMINATION OF VOLATILE PLANT PRODUCTS. ANALYSIS BY GAS-CHROMATOGRAPHY, MASS-SPECTROSCOPY. AGRICULTURE WASTE-TREATMENT.
STUSHNOFF C : COLD STRESS, PLANT BREEDING, FRUIT CROPS. GENE RESOURCES & CRYOPRESERVATION; STRAWBERRIES, APPLES, BLUEBERRIES, GENERAL HORTICULTURE INCLUDING VEGETABLES, POTATOES.
WARMAN PR : SOIL-FERTILITY & CONSERVATION THROUGH ORGANIC AMENDMENTS (ANIMAL & GREEN MANURES, COMPOSTS, SEWAGE SLUDGE); MINE-TAILINGS & LAND RECLAMATION; SOIL & PLANT RELATIONSHIPS IN CONSERVATION & RECLAMATION.
WELCH W : PLANT ECOLOGY, WETLAND FOREST SUCCESSION, PLANT SUCCESSION FOLLOWING RIGHT OF WAY CONSTRUCTION, VEGETATION MANAGEMENT ON ELECTRICAL TRANSMISSION RIGHTS OF WAY, VEGETATION INVENTORIES, COAL FLY-ASH RECLAMATION AND EROSION CONTROL.
WHITNEY NJ : MARINE FUNGI: TAXONOMY; METABOLIC PRODUCTS FROM INTERFERENCE COMPETITION; FUNGAL ECOLOGY IN THE MARINE-ENVIRONMENT; ANTIBIOTIC-COMPOUNDS FROM MARINE FUNGI; FUNGAL DISEASES OF FISH. FOREST FUNGI: EPIPHYTIC & ENDOPHYTIC FUNGAL METABOLITES TOXIC TO SPRUCE-BUDWORM. PLANT PATHOLOGY: NEEDLE-CASTS OF CONIFERS.
ZOLTAI SC : RESEARCH IN DYNAMICS OF WETLANDS IN ARCTIC, SUBARCTIC AND BOREAL REGIONS. RESEARCH IN ENVIRONMENTAL-IMPACT-ASSESSMENT AND IN PLANT SOIL RELATIONSHIPS IN THE ABOVE REGIONS OF CANADA.

PLANTATION

ROSS G : HERBICIDE ENVIRONMENTAL-IMPACT-ASSESSMENT. SPRUCE PLANTATION ESTABLISHMENT, GROWTH & YIELD. GENETIC TREE IMPROVEMENT. TREE NURSERIES. SILVICULTURE WORK STUDY, PRODUCTIVITY TRIALS.
SUTTON RF : PLANTATION ESTABLISHMENT IN FORESTRY (REGENERATION SILVICULTURE) IN THE BOREAL-FOREST: ALSO SCIENTIFIC & TECHNICAL EDITING.

PLANTATIONS

FOGAL WH : FOREST-PROTECTION RESEARCH ON SEED TREES AND PLANTATIONS (ENTOMOLOGY AND PATHOLOGY), CHEMICAL-CONTROL (GROUND APPLICATIONS), BIOLOGICAL CONTROL (MICROBIALS), CULTURAL-CONTROL (HOST RESISTANCE; FOREST-STAND MANAGEMENT).
SILVERSIDES CR : TIMBER HARVESTING (ENVIRONMENTAL-IMPACT) SHORT-ROTATION-FORESTRY ENERGY PLANTATIONS. ENERGY FROM BIOMASS AND OTHER RENEWABLES.

PLANTES

BOLDUC RJ : PHYSIOLOGIE ET BIOCHIMIE DU FROID, DE LA SECHERESSE ET DE LA SALINITE CHEZ LES PLANTES CULTIVEES. PHYSIOLOGIE DE LA PRODUCTION DES PLANTES CULTIVEES SOUS CHACUN DE CES STRESS. CULTURES A L'ETUDE: HERBAGES, CEREALES, PLANTES ORNEMENTALES, CULTURES FRUITIERES, ESPECES LIGNEUSES.
PHAN CT : INFLUENCE DE L' ENVIRONNEMENT, SURTOUT GAZEUX (PRODUITS) NATURELS DES PLANTES OU POLLUANTS), SUR LA CROISSANCE, LE DEVELOPPEMENT ET LE METABOLISME DES PLANTES.

PLANTS

ABOUGUENDIA Z : REVEGETATION STUDIES OF LAND DISTURBED BY MINING ACTIVITIES (E.G. URANIUM TAILINGS, COAL SPOILS). ECOLOGICAL BASELINE STUDIES AND ENVIRONMENTAL-IMPACT-ASSESSMENT. RANGE ECOLOGY & PRODUCTIVITY. RESPONSE OF PLANTS TO AIRBORNE POLLUTANTS.
ADDISON PA : RESEARCH IN ENVIRONMENTAL FORESTRY RELATED PRIMARILY TO THE EFFECTS OF ATMOSPHERIC-POLLUTION ON FOREST ECOSYSTEMS. THIS INCLUDES GROWTH & YIELD STUDIES, BIOMONITORING USING BOTH CRYPTOGAMS & HIGHER PLANTS & SOIL BIOLOGICAL & CHEMICAL RESPONSE MEASUREMENTS.
AIKEN SG : AQUATIC PLANTS IN CANADA (WILD-RICE, ZIZANIA & WATER MILFOIL, MYRIOPHYLLUM) GRASSES, ESPECIALLY FESTUCA, IN NORTH AMERICA. COMPUTER GENERATION OF TAXONOMIC KEYS & DESCRIPTIONS IN FRENCH & ENGLISH. BEGINNING WORK ON THE FLORA OF THE CANADIAN HIGH ARCTIC ISLANDS.
ALLEN EAD : PHYSIOLOGY OF AQUATIC PLANTS. USE OF PLANTS FOR DEWATERING INDUSTRIAL TAILINGS THROUGH EVAPOTRANSPIRATION.
BRODO IM : TAXONOMY OF LICHENS, ESPECIALLY THE GENUS LECANORA AND STUDIES ON THE LICHENFLORA OF CANADA, ESPECIALLY BRITISH-COLUMBIA, ONTARIO & QUEBEC. SYSTEMATIC STUDIES OF VASCULAR PLANTS, BRYOPHYTES, LICHENS & ALGAE (SPECIES OCCURRING IN CANADA & ELSEWHERE IN NORTHERN HEMISPHERE); FLORISTIC STUDIES OF THESE & RARE & ENDANGERED-PLANTS IN CANADA.

PLANTS

CEROICI WJ : EVALUATING GROUNDWATER CONTAMINATION FROM WASTE-DISPOSAL FACILITIES & INDUSTRIAL PLANTS. DESIGN OF GROUNDWATER MONITORING SYSTEMS, COLLECTION & INTERPRETATION OF MONITORING DATA.

COX RM : EFFECTS OF AIR-POLLUTION ON FOREST PLANT REPRODUCTION & PRODUCTIVITY INCLUDING EFFECTS OF ACID-RAIN OR ACID-FOG & TRACE-ELEMENTS. EVALUATION TRACE-ELEMENT TOLERANCE IN NATIVE PLANTS.

CROWDER A : UPTAKE OF METALS BY WETLAND PLANTS. IRON PLAQUES ON ROOTS. INVENTORY OF VEGETATION IN EUTROPHIC & OTHER WETLANDS. IMPACT-ASSESSMENT PARTICULARLY OF PARK USAGE, HERBARIUM CURATOR.

CZUBA M : ENVIRONMENTAL INTERACTIONS OF HEAVY-METALS & TRACE-ELEMENTS AS THEY AFFECT PHYSIOLOGY, BIOCHEMISTRY & CELL ASSOCIATIONS OF PLANTS. STUDIES OF TOXIC EFFECTS TO DETERMINE MECHANISMS OF ACTION, ASSESS PRODUCTS PRODUCED & POSSIBLE ABATEMENT MEASURES. EVALUATE MODERATING EFFECTS OF MICROORGANISMS ON METAL ACTION IN HOST ORGANISM.

DAVIS E : BIOLOGICAL WASTE-TREATMENT FOR DOMESTIC AND INDUSTRIAL APPLICATIONS. PREVENTION OR REDUCTION OF TOTAL TRIHALOMETHANES BY MEANS APPLICABLE TO UNSOPHISTICATED WATER-TREATMENT PLANTS. ENVIRONMENTAL-IMPACT-ASSESSMENT TECHNIQUES MICRO COMPUTER BASED.

DESCHENES JM : DEVELOPMENT OF CROP PLANTS VIA CONVENTIONAL & BIOTECHNOLOGICAL BREEDING TECHNIQUES. PLANT SUPPORT PROGRAMS IN STRESS PHYSIOLOGY PROTECTION, NITROGEN FIXATION & MYCOTOXINS.

DORE WG : TAXONOMY AND MORPHOLOGY OF GRAMINEAE. PHYTOGEOGRAPHY IN EASTERN NORTH-AMERICA. ABORIGINAL USES OF PLANTS. HISTORICAL CANADIAN BOTANY. FRESHWATER AQUATICS.

DUDAS MJ : BIOGEOCHEMISTRY OF TRACE-ELEMENTS, HEAVY-METALS, RADIOISOTOPES IN SOILS, PLANTS & TERRESTRIAL SYSTEMS; CLAY MINERALOGY; RESEARCH ON FLY-ASH LEACHATES, TOXIC INORGANICS IN THE ENVIRONMENT & CYCLING OF NOXIOUS HEAVY-METALS.

EDGINGTON LV : TRANSLOCATION & FATE OF FUNGICIDES IN PLANTS & DEGRADATION IN SOIL. EFFICACY OF FUNGICIDES FOR CONTROL OF DISEASE. RELATION OF CHEMICAL STRUCTURE TO SELECTIVITY OF FUNGICIDES FOR CERTAIN TAXONOMIC GROUPS OF FUNGI.

ENGLISH M : DETERMINATION THROUGH AIRCRAFT MEASUREMENTS OF THE TRANSPORT, DIFFUSION & TRANSFORMATION RATES OF SULPHUR & NITRIC-OXIDES EMITTED FROM OIL-SANDS EXTRACTION PLANTS IN NORTHERN ALBERTA. STUDY OF THE EFFECT OF URBAN AIR-QUALITY ON VISIBILITY.

FRANK R : RESEARCH INTO PESTICIDE DISAPPEARANCE FROM TREATED PLANTS & ANIMALS. MONITORING RESEARCH INTO RESISTANCE & MOBILITY IN THE ENVIRONMENT.

GAYNOR JD : PERSISTENCE, DEGRADATION, MOVEMENT & LEACHING OF HERBICIDES. METABOLISM OF HERBICIDES BY PLANTS & ANALYSIS OF HERBICIDE RESIDUES IN CROPS. METHOD DEVELOPMENT FOR HERBICIDE ANALYSIS IN VARIOUS SUBSTRATES. INSTRUMENTAL ANALYSIS USING GAS, LIQUID & THIN LAYER CHROMATOGRAPHY, MASS-SPECTROSCOPY.

GOUDEY JS : PHYSIOLOGICAL & BIOCHEMICAL RESPONSES OF PLANTS TO ENVIRONMENTAL STRESSES (AGRICULTURAL & INDUSTRIAL WASTES).

HARMS VL : TAXONOMY AND PHYTOGEOGRAPHY OF THE VASCULAR PLANT FLORA OF SASKATCHEWAN AND ADJACENT REGIONS. PHYTOGEOGRAPHY OF SASKATCHEWAN RARE PLANTS. TAXONOMY OF HETEROTHECA (COMPOSITAE), (SPARGIANACEAE), PETASITES (COMPOSITAE), AND NORTHERN PLAINS GRASSES, (GRAMINEAE) AND ORCHIDS (ORCHIDAICEA).

HARRISON PG : ECOLOGY OF ESTUARINE PLANTS (SEAGRASSES & ALGAE), ESPECIALLY POPULATION-DYNAMICS & PLANT & ANIMAL INTERACTIONS. FUNCTIONAL ECOLOGY OF DETRITUS BASED ECOSYSTEMS.

HINDS HR : IDENTIFICATION AND DISTRIBUTION OF NEW-BRUNSWICK VASCULAR PLANTS. INVENTORY & PROTECTION OF SIGNIFICANT NATURAL AREAS IN NEW-BRUNSWICK. RARE & ENDANGERED-PLANTS (VASCULAR) IN NEW-BRUNSWICK.

HOFSTRA G : EFFECTS OF ENVIRONMENTAL STRESS ON CROP PLANTS. SALT STRESS IN BEDDING PLANTS. GROWTH REGULATORS & STRESS ALLEVIATION. TREE PHYSIOLOGY.

HUTCHINSON TC : ACID-RAIN STUDIES OF TERRESTRIAL-ECOSYSTEMS, HEAVY-METAL TOXICITY TO PLANTS AND ALGAE, ECOTOXICOLOGY OF NICKEL, COPPER, LEAD. EFFECTS OF SMELTERS. OIL-SPILL AND HYDROCARBON TOXICITY RESEARCH. ARCTIC AND BOREAL AREAS.

LARSON DW : ECOLOGY, MORPHOLOGY, ANATOMY & PHYSIOLOGY OF PLANTS THAT GROW ON ROCKS & CLIFF-FACES. OBJECTIVE: TO DISCOVER MECHANISMS THAT PERMIT SURVIVAL IN SUCH HOSTILE ENVIRONMENTS.

ORMROD DP : RESEARCH ON THE EFFECT OF GASEOUS AIR-POLLUTION & HEAVY-METALS ON PLANTS. STUDIES OF DOSE-RESPONSE RELATIONSHIPS, INJURY MECHANISMS, INTERACTIONS OF POLLUTANTS & ENVIRONMENTAL EFFECTS.

PARMELEE JA : TAXONOMIC RESEARCH IN PARASITIC FUNGI (RUSTS, SMUTS AND MILDEWS) OF VASCULAR PLANTS. STUDIES INCLUDE REVIEWS ON GEOGRAPHIC DISTRIBUTION AND LIFE-HISTORIES. RELATED WORK INVOLVES CREATION OF THE NATIONAL MYCOLOGICAL HERBARIUM A COLLECTION OF 250,000 DRIED FUNGUS SPECIMENS OF IMPORTANCE TO AGRICULTURE AND FORESTRY.

RAJU MVS : RESEARCH INTERESTS HAVE BEEN THE STUDIES ON VARIOUS ASPECTS OF ANATOMY AND MORPHOLOGY OF VASCULAR PLANTS OF THE PRAIRIES. MORPHOLOGICAL STUDIES INCLUDE LIFE-HISTORIES OF PLANTS, ESPECIALLY OF SOME SELECTED PRAIRIE WEED SPECIES, SUCH AS LEAFY-SPURGE (EUPHORBIA-ESULA-L.), WILD OATS (AVENA-FATUA-L.), ETC.

REDMANN RE : PHYSIOLOGICAL PLANT ECOLOGY, GRASSLAND ECOLOGY, POLLUTION EFFECTS ON PLANTS, ESPECIALLY AIRBORNE SALTS AND ACIDITY, DROUGHT STRESS EFFECTS, PLANT WATER RELATIONS, CARBON-DIOXIDE EXCHANGE IN PLANTS.

RUNECKLES VC : EFFECTS OF AIR-POLLUTION ON PLANTS. (DIAGNOSIS, BIOMONITORING, DOSE-RESPONSE, MODE OF ACTION.)

SHARMA MP : BEHAVIOUR & FATE OF HERBICIDES IN SOIL & PLANTS; CHEMICAL WEED CONTROL IN CEREAL & OILSEED CROPS; EFFECT OF ENVIRONMENTAL FACTORS ON HERBICIDE PERFORMANCE; CHEMICAL DAMAGE DIAGNOSTICS; EXTENSION SERVICE & RESEARCH.

PLANTS

SHAW GG : DETERMINING THE CONCENTRATION OF SULPHUR, METALS & PESTICIDES IN SOIL, AIR WATER, VEGETATION & ANIMALS & THE EFFECTS OF THOSE CHEMICALS & ELEMENTS ON PLANTS & ANIMALS THROUGH EXPERIMENTS & STATISTICAL-ANALYSIS.
SIDHU SS : EFFECTS OF FLUORIDES IN THE ATMOSPHERE ON PLANTS & SOILS. EFFECTS OF SIMULATED ACID-RAIN ON PLANT POLLEN; BAFFERING CAPACITY OF PLANT SPECIES. EFFECTS OF HERBICIDES ON TARGET & NON-TARGET SPECIES; RESIDUES IN SOILS & PLANTS AND MOVEMENT OF HERBICIDES IN SOILS.
STEPHENSON GR : STUDIES ON THE FATE OF HERBICIDES IN SOIL, WATER, AIR & PLANTS.
VAJDIC AH : EFFICIENCY OF INNOVATIVE PROCESSES FOR DRINKING-WATER PRODUCTION WITH RESPECT TO REMOVAL OF TRACE ORGANIC SUBSTANCES, METHODS OF OPTIMIZING THE OPERATION OF DRINKING-WATER TREATMENT PLANTS & QUALITY OF DRINKING-WATER SUPPLIES.
VISSER SA : EFFECTS OF MANURES, COMPOSTS & HUMIC-SUBSTANCES ON SOIL MICROFLORA, HIGHER PLANTS, SOIL PROPERTIES & ON POLLUTION OF NATURAL WATERS.
WEAVER RS : MANAGEMENT OF RESEARCH IN THE FOLLOWING AREAS: AIR, WATER AND SOIL-ANALYSES; EFFECTS OF ENVIRONMENTAL-CONTAMINANTS IN AIR, WATER AND SOIL ON PLANTS, WILDLIFE AND DOMESTIC ANIMALS, AQUATIC VERTEBRATES AND INVERTEBRATES, AND MICRO-ORGANISMS; HAZARDOUS-WASTE DISPOSAL.
WESTCOTT ND : DEVELOPMENT OF PROCEDURES FOR THE EXTRACTION AND ANALYSIS OF ORGANOCHLORINE, ORGANOPHOSPHORUS, CARBAMATE AND PYRETHROID INSECTICIDES IN PLANTS, WATER, SOIL AND INSECTS. DETERMINE THE PERSISTENCE OF INSECTICIDE IN PLANTS, WATER, SOIL OR INSECTS UNDER LABORATORY OR FIELD CONDITIONS.

PLAQUES

CROWDER A : UPTAKE OF METALS BY WETLAND PLANTS. IRON PLAQUES ON ROOTS. INVENTORY OF VEGETATION IN EUTROPHIC & OTHER WETLANDS. IMPACT-ASSESSMENT PARTICULARLY OF PARK USAGE. HERBARIUM CURATOR.

PLASMIDS

KHAN SU : FATE OF PESTICIDES IN SOIL, PLANT, WATER & ANIMALS. ENVIRONMENTAL-POLLUTION. CHEMICAL & BIODEGRADATION OF PESTICIDES. BIOAVAILABILITY & TOXICOLOGY OF PESTICIDES IN ANIMALS, PESTICIDE DEGRADING PLASMIDS, BIOTECHNOLOGY OF PESTICIDES.

PLATELET

ALLY AI : CARDIOVASCULAR PHARMACOLOGY & TOXICOLOGY: EFFECTS OF ORGANIC METALS ON CARDIAC, BLOOD VESSEL & PLATELET FUNCTION, EMPHASIS ON MECHANISMS OF ACTION: EFFECTS OF NATURAL & MAN-MADE ORGANIC-COMPOUNDS ON PERIPHERAL SYMPATHETIC NERVOUS-SYSTEM & ON CICOSANOID & LEUKOTRIENE-BIOSYNTHESIS & FUNCTION. NEUROCHEMICAL CHARACTERIZATION OF EFFECTS ON CENTRAL NERVOUS-SYSTEM WITH FOCUS ON BIOGENIC AMINES.

PLATINUM

SINGH RP : STUDIES ON THE EFFECTS OF ENVIRONMENTAL POLLUTANTS (INSECTICIDES, LEAD, MANGANESE) AND CHEMICALS (PLATINUM, CAFFEINE, LSD ETC.) ON THE GENETIC MATERIAL.

PLAZIOTHECIACEAE

IRELAND RR : TAXONOMY OF THE MOSSES, THE DICRANACEAE, HYPNACEAE, PLAZIOTHECIACEAE & STEREOPHYLLACEAE.

PLOMB

BRODEUR J : TOXICOLOGIE INDUSTRIELLE ET ENVIRONNEMENTALE: TOXICITE ET METABOLISME DES SOLVANTS AROMATIQUES ET ALIPHATIQUES-HALOGENES; TOXICITE ET METABOLISM DES METAUX TOXIQUES (PLOMB, CADMIUM, MERCURE).

PLUIE

PLUIE

FORTIN JP : HYDROLOGIE; HYDROMETEOROLOGIE; PRECIPITATION; PLUIE; NEIGE; RUISSELLEMENT; DEBIT; ECOULEMENT; PHYSIOGRAPHIE; RIVIERE; BASSIN VERSANT; CRUE; INONDATION; TELEDETECTION EAU; SATELLITE EAU; INTEGRATION DES DONNEES; STATISTIQUE HYDROLOGIE; GESTION-EAU; PLANIFICATION-EAU; PREVISION EAU; DECISION EAU; PROTECTION EAU; CONTROLE-EAU; MODELE HYDROLOGIQUE; CEQUEAU MODELE; MODELE DETERMINISTE MAILLE-CARREAU; MODELE D AJUSTEMENT; PREVISION HYDROLOGIQUE; PREVISION ECOULEMENT; PREVISION TEMPS REEL; RESEAU HYDROLOGIQUE; PLUVIOMETRE; RADAR HYDROLOGIE; STATION-PLUVIOMETRIQUE; RESEAU RADAR METEOROLOGIE; PRECIPITATIONS-ACIDES; POLLUANTS-ATMOSPHERIQUES; TRANSPORT-A-LONGUE-DISTANCE; MODELE STATISTIQUE; DIFFUSION UNIDIMENSIONNEL; ANISOTROPIE-SPATIALE.

MORIN G : HYDROLOGIE; MODELE HYDROLOGIE; CEQUEAU MODELE; MODELE STOCHASTIQUE; PLUIE DEBIT; PLUIE RUISSELLEMENT; COMPOSANTE PRINCIPALE; ONDE-DE-CRUE; CRUE PREVISION; CRUE CONTROLE; MODELE EMPIRIQUE; QUALITE EAU; MODELE-MATHEMATIQUE; MODELE UNIDIMENSIONNEL; PARAMETRE HYDROLOGIQUE; HYDROPARAMETRE.

PLUIES-ACIDES

DESGRANGES JL : ETUDES ECOLOGIQUES SUR LA PLUPART DES GROUPES D' OISEAUX DU CANADA. STRUCTURE DES COMMUNAUTES. SELECTION DE L' HABITAT. EFFETS DES PLUIES-ACIDES SUR LES OISEAUX LACUSTRES ET FORESTIERS.

MOREAU G : EFFETS DES PLUIES-ACIDES SUR LA FAUNE BENTHIQUE ET SUR LES POISSONS, EN PARTICULIER L' OMBLE-DE-FONTAINE (SALVELINUS-FONTINALIS). ECOLOGIE DES LACS DE RESERVOIRS.

VAN COILLIE R : CHEMINEMENT ET TOXICITE SOUS-LETALE DES METAUX-LOURDS ET DES PESTICIDES DANS L' ENVIRONNEMENT-AQUATIQUE ET TERRESTRE REPERCUSSIONS DES PLUIES-ACIDES SUR LA FAUNE AQUATIQUE ECOTOXICOLOGIE DES DEPOTOIRS, BIOTECHNOLOGIES ENVIRONNEMENTALES.

PLUVIOMETRE

FORTIN JP : HYDROLOGIE; HYDROMETEOROLOGIE; PRECIPITATION; PLUIE; NEIGE; RUISSELLEMENT; DEBIT; ECOULEMENT; PHYSIOGRAPHIE; RIVIERE; BASSIN VERSANT; CRUE; INONDATION; TELEDETECTION EAU; SATELLITE EAU; INTEGRATION DES DONNEES; STATISTIQUE HYDROLOGIE; GESTION-EAU; PLANIFICATION-EAU; PREVISION EAU; DECISION EAU; PROTECTION EAU; CONTROLE-EAU; MODELE HYDROLOGIQUE; CEQUEAU MODELE; MODELE DETERMINISTE MAILLE-CARREAU; MODELE D AJUSTEMENT; PREVISION HYDROLOGIQUE; PREVISION ECOULEMENT; PREVISION TEMPS REEL; RESEAU HYDROLOGIQUE; PLUVIOMETRE; RADAR HYDROLOGIE; STATION-PLUVIOMETRIQUE; RESEAU RADAR METEOROLOGIE; PRECIPITATIONS-ACIDES; POLLUANTS-ATMOSPHERIQUES; TRANSPORT-A-LONGUE-DISTANCE; MODELE STATISTIQUE; DIFFUSION UNIDIMENSIONNEL; ANISOTROPIE-SPATIALE.

PNT

BELAND M : RELEVANT DE LA DIRECTION GENERALE DE LA RECHERCHE, LA DIVISION DE RECHERCHE EN PREVISION NUMERIQUE SITUEE A DORVAL DOIT CONCEVOIR, DEVELOPPER ET FOURNIR LES MODELES DE PREVISION NUMERIQUE DU TEMPS (PNT) ET LES MODELES D' ASSIMILATION DES DONNEES ET PARAMETRES NECESSAIRES A LEUR FONCTIONNEMENT AU CMC. LA DIVISION POURSUIT EGALEMENT UN PROGRAMME IMPORTANT DE RECHERCHE FONDAMENTALE SUR LES METHODES NUMERIQUES, LE PARAMETRAGE DES ECHELLES NON-RESOLUES PAR LES MODELES ACTUELS DE PNT ET SUR L' ASSIMILATION ET L'ANALYSE DES DONNEES METEOROLOGIQUES. LES RESULTATS DE CES TRAVAUX FONT L' OBJET DE COMMUNICATIONS SCIENTIFIQUES ORALES ET ECRITES DANS DES REVUES ET CONGRES SCIENTIFIQUES NATIONAUX ET INTERNATIONAUX.

POISONING

PRAKASH A : MARINE POLLUTION, COASTAL ZONE MANAGEMENT, COASTAL AQUACULTURE, SHELLFISH, MARINE PRODUCTIVITY, RED-TIDES, SHELLFISH POISONING, ENVIRONMENTAL-QUALITY, ECOLOGY, ENVIRONMENTAL-IMPACT-ASSESSMENT MARINE PHYTOPLANKTON, TOXICITY, PHYSIOLOGY, DINOFLAGELLATES.

SPRATT ED : RAINFOREST CLEARING IN INDONESIA USING CHEMICAL POISONING OF ECONOMICAL TREES THEN PLANTING FAST-GROWING CREEPING LEGUME VINES TO OVERTAKE THE UNDERGROWTH. P & K FERTILIZERS ARE NEEDED. GRADUAL TAKEOVER OF LEGUMES BY ECONOMICAL CROPS (IE. OIL PALM) USING TOP KILLERS TO CONTROL LEGUME UNDERGROWTH. STOPS SOIL EROSION IN TRANSITION FROM FOREST TO CROPS.

POISSONS

LALANCETTE LM : DYNAMIQUE DES POPULATIONS DE POISSONS ET ETUDE DE FACTEURS ECOLOGIQUES.

LARRIVEE D : ETUDE DES CYCLES VITAUX ET DES PROCEDES CULTURAUX CHEZ LES INVERTEBRES MARINS ET LES POISSONS.

MOREAU G : EFFETS DES PLUIES-ACIDES SUR LA FAUNE BENTHIQUE ET SUR LES POISSONS, EN PARTICULIER L' OMBLE-DE-FONTAINE (SALVELINUS-FONTINALIS). ECOLOGIE DES LACS DE RESERVOIRS.

POLICIES

BERKES F : LIVING RESOURCES, ESPECIALLY FISHERIES, ECOLOGY AND MANAGEMENT; ENVIRONMENTAL-IMPACT OF HYDRO PROJECTS ON FISHERIES; COMMON PROPERTY RESOURCE THEORY; ENVIRONMENT AND RESOURCE POLICIES; SMALL-SCALE FISHERIES AND HUMAN ECOLOGY.
GRIMA AP : WATER-DEMAND ESTIMATION, PARTICULARLY URBAN & RESIDENTIAL. ENERGY-CONSERVATION POLICIES. INSTITUTIONAL INSTRUMENTS FOR ENVIRONMENTAL-QUALITY. PUBLIC INVOLVEMENT IN ENVIRONMENTAL-IMPACT-ASSESSMENT, AND CLIMATE IMPACT-ASSESSMENT.
MACLEOD JC : FISH HABITAT MANAGEMENT. DEVELOPMENT OF POLICIES & PROGRAMS IN DFO & PROVISION OF ADVICE TO SENIOR MANAGEMENT ON CONSERVATION, RESTORATION & DEVELOPMENT OF FISH-HABITAT SUSTAINING CANADA'S IMPORTANT FISHERIES RESOURCES.
MCCUAIG JD : LAND-USE PLANNING: GEOGRAPHY; LAND-USE POLICIES; RURAL & AGRICULTURAL LAND-USE CHANGE ANALYSIS; LAND VALUE CHANGE; FEDERAL PROGRAM IMPACT ON LAND-USE; PLANNING METHODS AND TOOLS; FEDERAL/ PROVINCIAL LIAISON.

POLICY

ASHBROOK AW : CORPORATE ENVIRONMENT AFFAIRS. ENVIRONMENTAL AND WASTE-MANAGEMENT POLICY, STRATEGY AND ANALYSIS IN URANIUM MINING, MILLING AND REFINING. DECOMMISSIONING AND CLOSE-OUT OF MINE/MILL FACILITIES; DECOMMISSIONING AND RECLAMATION OF LOW-LEVEL RADIOACTIVE-WASTE MANAGEMENT SITES. WASTE UTILIZATION AND DISPOSAL. R&D STUDIES.
BAKER WM : TOURIST PARK AND OUTDOOR RECREATION PLANNING (POLICY STRATEGY PROGRAM, PROJECT INCLUDING BASIC NATURAL AND HISTORIC CULTURAL SUPPLY AND INFRASTRUCTURE ASSESSMENT, MARKETING, FINANCIAL AND MANAGEMENT PLANNING, PERFORMANCE EVALUATION, ENVIRONMENTAL-IMPACT-ASSESSMENT RELATIVE TO THE AMENITY ASPECTS OF RESOURCE VALUES NATIVE (INDIAN & INUIT) TOURISM PROGRAM & PROJECT PLANNING AND DEVELOPMENT.
BIRD PM : RETIRED PUBLIC SERVANT, FORMERLY WITH NATIONAL RADIATION PROTECTION & ENVIRONMENT & ASSESSMENT PROGRAMS. CO-AUTHORED CANADIAN STATE OF ENVIRONMENT REPORT. REPRESENTED CANADA AT INTERNATIONAL ENVIRONMENTAL POLICY MEETINGS.
BLAIR N : RESEARCH ASSOCIATE. PROVINCIAL CONSERVATION STRATEGY, NOVA-SCOTIA, INCLUDING PARTICIPATORY ACTION RESEARCH WITH NONGOVERNMENTAL AND GOVERNMENTAL GROUPS, PUBLIC EDUCATION. STUDIES IN FUELWOOD SUPPLY, MARKETING AND DISTRIBUTION IN NOVA-SCOTIA FORESTRY STUDIES: SOCIOLOGICAL, POLICY AND BUSINESS. PROJECT OFFICER IN TRAINING INDONESIANS IN ENVIRONMENTAL SKILLS EG. ENVIRONMENTAL-LAW, ENVIRONMENTAL-IMPACT-ASSESSMENT, ETC.
BOYD FC : SENIOR MANAGER, ADMINISTRATION TECHNICAL SUPERVISION, MULTIPLE RESOURCE USE, FISH-HABITAT PROTECTION AND MANAGEMENT. ENVIRONMENTAL-IMPACT-ASSESSMENTS; MULTIPLE USE PLANNING AND POLICY DEVELOPMENT. HABITAT INVENTORY, RESTORATION AND DEVELOPMENT PLANNING.
DOLENKO AJ : RESPONSIBILITIES RANGE FROM THE DEVELOPMENT OF FEDERAL BIOENERGY POLICY, TO THE CO-ORDINATION OF THE BIOENERGY RESEARCH AND DEVELOPMENT PROGRAM (BIOENERGY DEVELOPMENT PROGRAM), AND BIOENERGY INCENTIVE PROGRAMS FOREST INDUSTRY RENEWABLE-ENERGY PROGRAM) AND ALTERNATE ENERGY DEVELOPMENT PROGRAM (AEDP).
DONNAN J : ACID-RAIN SOCIO-ECONOMIC RESEARCH PROGRAM CONSISTING OF DAMAGES & BENEFITS; COST OF ABATEMENT & MITIGATION; TOOLS FOR EVALUATION & POLICY DEVELOPMENT. INTEGRATION OF NATURAL & SOCIAL SCIENCE DATA TO DEVELOP POLICY RELEVANT DOCUMENTATION. MODELLING OF ACIDIFICATION EFFECTS.
DOUGLAS VM : MANAGEMENT OF NEW CHEMICALS PROGRAM UNDER WHICH INDUSTRY MUST NOTIFY FEDERAL GOVERNMENT OF AN IMPORT OR MANUFACTURE OF A NEW CHEMICAL; HAZARD ASSESSMENT SPECIALIST PROGRAM DEVELOPMENT, TOXIC POLICY REVIEW & DEVELOPMENT, COORDINATION OF CRITERIA DEVELOPMENT, DEVELOPMENT OF REGULATION.
DWIVEDI OP : ENVIRONMENTAL POLICY PLANNING AND MANAGEMENT, ENVIRONMENTAL-LEGISLATION, ACCOUNTABLE ENVIRONMENTAL-MANAGEMENT, INTERGOVERNMENTAL AND INTERNATIONAL ENVIRONMENTAL RELATIONS, NORTH-SOUTH ENVIRONMENTAL RELATIONS, AND ENVIRONMENTAL ADMINISTRATION. ENVIRONMENTAL MENTAL ETHICS. POVERTY AND POLLUTION. RELIGIOUS IMPERATIVES TO ENVIRONMENTAL CRISIS.
ENVIRONMENTAL PROGRAMS : ENVIRONMENTAL-PROTECTION ENDEAVOURS TO ENSURE THAT THE FEDERAL GOVERNMENT CARRIES OUT ITS RESPONSIBILITIES FOR PROTECTION OF THE ENVIRONMENT IN A MANNER CONSISTENT WITH NATIONAL POLICY: PREVENTION, REDUCTION OR ELIMINATION OF ADVERSE ENVIRONMENTAL EFFECTS FROM NEW DEVELOPMENTS, RELEASES OF POLLUTANTS, OR THE USE OF HAZARDOUS-CHEMICALS & THE CLEANUP OF HARMFUL SUBSTANCES THAT ARE SPILLED.
FORESTER AJ : METALS IN AQUATIC-ECOSYSTEMS. IMPACT OF AIR-POLLUTANTS ON HEALTH AND ENVIRONMENT. INCLUDING DEVELOPING-COUNTRIES. ENVIRONMENTAL-IMPACT OF NUCLEAR WARFARE. SCIENCE AND POLICY.
FREEMAN MMR : ENVIRONMENT & DEVELOPMENT ISSUES, ESPECIALLY RELATING TO PUBLIC ENVIRONMENTAL POLICY ANALYSIS, CONSERVATION SUSTAINABLE UTILIZATION OF RENEWABLE RESOURCES, TRADITIONAL INDIGENOUS SYSTEMS OF MANAGEMENT & CO-MANAGEMENT SYSTEMS. GEOGRAPHIC FOCUS IS NORTHERN AREAS (CANADA & ALASKA).
HAANA E : COMPUTER-MODELLING OF HAZARDOUS-WASTE, ACID-RAIN, WOOD ENERGY AND FISHERIES FOR POLICY AND DECISION ANALYSIS. DESIGN AND IMPLEMENTATION OF RESOURCE AND ENVIRONMENTAL MANAGEMENT PLANS AND REHABILITATION MEASURES. DEVELOPMENT OF ENVIRONMENTAL ANALYSIS METHODOLOGIES AND INFORMATION-SYSTEMS. BIOPHYSICAL INVENTORIES AND DATA-ANALYSIS FOR BACKGROUND TO PLANNING INITIATIVES.
HALL HA : RESPONSIBLE FOR MARINE ENVIRONMENTAL-PROTECTION POLICY DEVELOPMENT AND ENFORCEMENT OF REGULATORY INSTRUMENTS FOR POLLUTION-CONTROL AND OCEAN DUMPING. DIRECT THE PROVISION OF ADVICE CONCERNING ENVIRONMENTAL-IMPACT OF OFFSHORE EXPLORATION, AND ENVIRONMENTAL ADVICE AND RESPONSE TO MARINE EMERGENCIES.

POLICY

HILL SB : AGROECOSYSTEM DESIGN FOR SUSTAINABILITY, NOURISHMENT AND FULFILLMENT. ECOLOGICAL PEST CONTROL AND SOIL MANAGEMENT. ENVIRONMENTAL-IMPACT ON SOIL SYSTEMS. POLICY, PLANNING AND IMPLEMENTATION OF SUSTAINABLE LIFESTYLES.
HOLOWACZ J : STUDY OF FOREST-RESOURCES, FORESTRY INSTITUTIONS, FOREST POLICY AND FOREST-BASED INDUSTRIES OF THE USSR AND CERTAIN COUNTRIES BELONGING TO THE COUNCIL FOR MUTUAL ECONOMIC ASSISTANCE, (CMEA).
JANKE LCG : DEVELOPMENT OF TECHNOLOGY TO OPTIMIZE THE RECOVERY & UTILIZATION OF CANADIAN FOSSIL FUELS IN AN ENVIRONMENTALLY ACCEPTABLE MANNER. PRODUCTION OF SYNTHETIC FUELS FROM NON CONVENTIONAL SOURCES. INTEGRATION OF SYNTHETIC FUELS INTO THE END-USE SYSTEM SUPPORT. POLICY SUPPORT.
LAPP PA : REMOTE-SENSING: AIRCRAFT & SATELLITE. SCIENCE POLICY, INDUSTRIAL STRATEGIES, TECHNOLOGY-TRANSFER. SENSOR-SYSTEMS, INSTRUMENTATION.
MARSHALL DWI : ENVIRONMENTAL-PROTECTION, ENVIRONMENTAL ENGINEERING, ENVIRONMENTAL DESIGN, ENVIRONMENTAL AND SOCIAL IMPACT-ASSESSMENT, PUBLIC-PARTICIPATION, PROVISION OF TECHNICAL AND ADMINISTRATIVE ADVICE TO ENVIRONMENTAL REVIEW COMMISSIONS, CHAIRMAN OF PUBLIC REVIEW PANELS. POLICY FORMULATION, PROGRAM AND PROJECT MANAGEMENT. ARCTIC PILOT PROJECT.
MARTIN HC : RESPONSIBLE FOR COORDINATION OF FEDERAL ACID-RAIN RESEARCH PROGRAM AND INTERGOVERNMENTAL AND INTERNATIONAL PROJECTS. DUTIES INCLUDE RESEARCH, MANAGEMENT, ASSESSMENT, POLICY DEVELOPMENT.
MOSELHY MM : ENVIRONMENTAL RESEARCH PLANNING. POLICY ANALYSIS. AIR, WATER, WASTE POLLUTION ANALYSIS; EFFECTS. ANALYTICAL-CHEMISTRY. ATOMIC EMISSION SPECTROSCOPY MULTIELEMENTAL ANALYSIS.
MUNN LC : LAND-USE POLICY DEVELOPMENT & IMPLEMENTATION. FEDERAL LAND MANAGEMENT, FEDERAL PROGRAM IMPACTS ON LAND-USE, LAND-USE ANALYSIS, LAND PLANNING METHODOLOGY & MANAGEMENT.
NASH PHJ : ALTERNATIVE FUTURE ENVIRONMENTS. ADMINISTRATION & MANAGEMENT OF URBAN & REGIONAL PLANNING. THEORIES & METHODS OF APPLICATION OF GEOGRAPHIC THOUGHT. COMPARATIVE EPISTEMOLOGIES: TYPES, GOALS, CLASSIFICATION, CATEGORIES VIA COUNTRIES & SUBJECT MATTER. POLICY IMPLICATIONS OF AREAL STUDIES.
NASSICHUK MD : IMPACT-ASSESSMENT OF PROPOSED INDUSTRIAL DEVELOPMENTS THAT COULD AFFECT WATER-QUALITY. INVESTIGATIVE PROGRAMS ON IMPACT OF SPECIFIC POLLUTANTS & CONTAMINANTS ON FISH (PACIFIC SALMON) & FISH-HABITAT. POLICY & LEGISLATIVE ADVISOR ON WATER-QUALITY ISSUES.
NURSALL JR : ECOLOGY OF CORAL-REEFS, ESPECIALLY FISHES; STRUCTURE AND EVOLUTION OF FISHES; SCIENTIFIC POLICY; WASTE-MANAGEMENT.
PEARSE PH : SPECIALIST IN THE ECONOMICS OF NATURAL-RESOURCES. WRITING RELATED TO GOVERNMENT POLICY ON MANAGEMENT OF RENEWABLE-RESOURCES (IN PARTICULAR, FORESTS, FISHERIES, & WATER-RESOURCES). CONSULTANT ON NATURAL-RESOURCES POLICY TO FOREIGN & CANADIAN GOVERNMENT. PROFESSOR OF FORESTRY; PROJECT LEADER: FOREST ECONOMICS & POLICY ANALYSIS PROJECT. FORMERLY: COMMISSIONER OF TWO MAJOR ROYAL COMMISSIONS OF INQUIRY ON RESOURCE POLICY (BRITISH-COLUMBIA FOREST RESOURCES & PACIFIC FISHERIES); CHAIRMAN OF PUBLIC INQUIRY ON FEDERAL WATER POLICY.
POLLOCK WS : FOREST RESEARCH AND MANAGEMENT SPECIALIZING IN PRIVATE LAND. POLICY, SILVICULTURE, REFORESTATION, REVEGETATION, FOREST INVENTORY. GROWTH STUDIES.
REYNOLDS PJ : PLANNING, COORDINATING AND CONDUCTING A PROGRAM OF LARGELY DIVERSE STUDIES RELATED TO WATER-RESOURCES POLICY STRATEGIES AND MANAGEMENT INTERFACES WITH FOOD, FIBRE, ENERGY AND MINERALS DEVELOPMENT OF WATER-USE ANALYSIS MODELS. CONDUCTING NATIONAL WATER-USE SURVEYS. EVALUATION OF THE VALUE OF WATER-RESOURCES SYSTEMS.
ROBERTSON JA : POLICY ADVISOR TO MINISTRY OF NORTHERN DEVELOPMENT AND MINES ON MATTERS RELATING TO URANIUM. EXPLORATION, MINING RESERVES/RESOURCES, TAILINGS AND WASTE-DISPOSAL. GEOLOGY OF URANIUM DEPOSITS.
ROBINSON JE : TECHNICAL ECONOMIC & POLICY RESEARCH ON WATER-DEMAND MANAGEMENT & ON INTEGRATING SUPPLY & DEMAND MANAGEMENT OF WATER & WASTEWATER-TREATMENT AT LOCAL, REGIONAL & NATIONAL LEVELS.
ROSEHART RG : WATER-POLLUTION CONTROL IN PULP-AND-PAPER AND MINING INDUSTRY. (COLOUR REMOVAL, TOXICITY REDUCTION AND PROCESS CHANGE). PUBLIC CONSULTATION, GOVERNMENT POLICY FORMULATION.
ROSS W : ENVIRONMENTAL-IMPACT-ASSESSMENT. ENERGY POLICY ANALYSIS. ENERGY-CONSERVATION. ENVIRONMENTAL-MANAGEMENT.
SANDEMAN EJ : STOCK-ASSESSMENTS AND RELATED RESEARCH ON FISH OF GENUS SEBASTES, SHRIMP (PANDALUS SP.) AND CRABS (CHIONOCETES OPILIO). EXPERTISE IN MANAGEMENT OF RESEARCH AND DEVELOPMENT PROJECTS AND FISHERIES MANAGEMENT POLICY DEVELOPMENT. INTEREST IN COMPUTER BASED DATA-ACQUISITION METHODOLOGY.
SCHWASS RD : CHAIRMAN, TASK FORCE ON CONSERVATION STRATEGY FOR NORTHERN CANADA; CHAIRMAN, ADVISORY COMMITTEE ON RESOURCE MANAGEMENT, BANFF CENTRE; ADVISOR, TO SEVERAL MINISTERS RESPONSIBLE FOR ENVIRONMENTAL POLICY, GOVERNMENT OF CANADA. MEMBER, INTL. ASSOC. OF UNIV. CONFERENCE ON ENVIRONMENTAL EDUCATION, BUDAPEST, OCT. 1983. CONSULTANT TO I.U.C.N. ON SUSTAINABLE DEVELOPMENT AND CONSERVATION STRATEGY IN PAKISTAN AND TANZANIA 1985-86; CONSULTANT TO THE MINISTRY OF POPULATION AND ENVIRONMENT, GOVERNMENT OF INDONESIA, 1985-86.
SHINDLER DB : SCIENTIFIC POLICY ADVICE ON BIOTECHNOLOGY & SAFETY REGULATIONS CONCERNING ENVIRONMENTAL & LARGE-SCALE APPLICATIONS. EXPERTISE IN MICROBIOLOGY, LIMNOLOGY, BIOLOGICAL MONITORING OF TOXIC SUBSTANCES, WATER-QUALITY, LAKE ALGAL-BLOOMS & EUTROPHICATION, AQUATIC ALGAE & MACROPHYTES, BACTERIAL PHYSIOLOGY & BIOCHEMISTRY, ENZYMOLOGY. COORDINATOR OF CANADA'S NATIONAL BIOTECHNOLOGY STRATEGY.
SIMKIN D : WILDLIFE ADMINISTRATION, POLICY AND PROGRAM DEVELOPMENT, RESEARCH AND TECHNOLOGY TRANSFER, LEGISLATION, ENFORCEMENT, USER TRAINING (FIREARM SAFETY, HUMANE-TRAP DEVELOPMENT, TEACHING, NATURALIST TRAINING), ORGANIZATIONAL STRATEGIES, COMMUNICATION WITH PUBLIC.

POLICY

VALLENTYNE JR : BIOSPHERE; ENVIRONMENTAL EDUCATION (YOUTH); LIMNOLOGY; SCIENCE POLICY; SCIENCE & SOCIETY INTERACTION; GREAT-LAKES RESEARCH ADVISOR.

WRIGHT DS : ENVIRONMENTAL-ASSESSMENT AND IMPACT EVALUATION. PRIVATE-SECTOR EXPERIENCE IN APPLICATION OF ENVIRONMENTAL-ASSESSMENT METHODS TO LARGE-SCALE ENERGY PROJECTS, AND PUBLIC SECTOR EXPERIENCE IN DEVELOPMENT OF ENVIRONMENTAL-ASSESSMENT AND REVIEW PROCEDURES FOR CANADIAN AND INTERNATIONAL AID PROJECTS. EXPERIENCE IN POLICY FORMULATION, PLANNING AND ISSUE MANAGEMENT.

POLITIQUES

ROUSSEAU C : LE CONSEIL DONNE AVIS AU MINISTRE SUR TOUTE QUESTION QUE CELUI-CI LUI SOUMET RELATIVEMENT AUX SUJETS VISES PAR LA LOI SUR LA QUALITE DE L' ENVIRONNEMENT DU QUEBEC. IL PEUT AUSSI DE SA PROPRE INITIATIVE OU A LA DEMANDE DE PERSONNES OU DE GROUPE, FORMULER UN AVIS SUR LES POLITIQUES EN MATIERE D' ENVIRONNEMENT. IL PEUT A CES FINS, ENTREPRENDRE LES ETUDES NECESSAIRES.

POLLEN

MCANDREWS JH : RECONSTRUCTION OF QUATERNARY ENVIRONMENTS BY MEANS OF FOSSIL POLLEN ANALYSIS.

SIDHU SS : EFFECTS OF FLUORIDES IN THE ATMOSPHERE ON PLANTS & SOILS. EFFECTS OF SIMULATED ACID-RAIN ON PLANT POLLEN; BAFFERING CAPACITY OF PLANT SPECIES. EFFECTS OF HERBICIDES ON TARGET & NON-TARGET SPECIES; RESIDUES IN SOILS & PLANTS AND MOVEMENT OF HERBICIDES IN SOILS.

POLLUANTS

EAST C : METEOROLOGIE DE LA POLLUTION DE L' AIR TRANSPORT E DIFFUSION DES POLLUANTS.

FRENETTE M : EROSION DES SOLS; TRANSPORT SOLIDE; SEDIMENTATION DANS LES LACS, RESERVOIRS & ESTUAIRES; STABILITE & MORPHOLOGIE DES COURS D'EAU. CONTAMINATION DES EAUX-SOUTERRAINES, MIGRATION DES POLLUANTS EN MILIEU PARTIELLEMENT SATURE.

MALLET VN : CHIMIE ANALYTIQUE; POLLUANTS CHIMIQUES; DEPUIS PLUSIEURS ANNEES J'OEUVRE DANS LE DEVELOPPEMENT D METHODES D'ANALYSE DE PESTICIDES. UNE PARTIE DE MON TRAVAIL CONSISTE A IDENTIFIER LES PRODUITS DE LA DEGRADATION DE CES SUBSTANCES CHIMIQUES.

PELLETIER E : ECOTOXICOLOGIE MARINE; ETUDE DES INTERACTIONS DES POLLUANTS (METAUX, BPC ET HYDROCARBURES) AVEC LES ORGANISMES MARINS DANS L' ECOSYSTEME COTIER ET LES ESTUAIRES.

PHAN CT : INFLUENCE DE L' ENVIRONNEMENT, SURTOUT GAZEUX (PRODUITS) NATURELS DES PLANTES OU POLLUANTS), SUR LA CROISSANCE, LE DEVELOPPEMENT ET LE METABOLISME DES PLANTES.

PINEL-ALLOUL B : ECOLOGIE-AQUATIQUE; ZOOPLANCTON; INTERACTIONS TROPHIQUES. PHYTOZOOPLANCTON. ECOTOXICOLOGIE: EFFETS DES METAUX-LOURDS ET DES POLLUANTS ASSOCIE AUX SEDIMENTS SUR LE ZOOPLANCTON. ENVIRONNEMENT: EFFETS DE LA MISE EN EAU DES RESERVOIRS NORDIQUES SUR LE ZOOPLANCTON.

VIGNEAULT Y : CONSEILLER SCIENTIFIQUE: EVALUATIONS ENVIRONNEMENTALES, POLLUANTS, TOXICOLOGIE. PROGRAMME DE RECHERCHE EN EVALUATION DES MILIEUX BIO-PHYSIQUES AU NIVEAU MARIN, ESTUARIEN, COTIER. ETUDES SYNTHESES SUR LE TRANSPORT-A-LONGUE-DISTANCE DES POLLUANTS ET LEURS EFFETS SUR LE MILIEU AQUATIQUE.

POLLUANTS-ATMOSPHERIQUES

FORTIN JP : HYDROLOGIE; HYDROMETEOROLOGIE; PRECIPITATION; PLUIE; NEIGE; RUISSELLEMENT; DEBIT; ECOULEMENT; PHYSIOGRAPHIE; RIVIERE; BASSIN VERSANT; CRUE; INONDATION; TELEDETECTION EAU; SATELLITE EAU; INTEGRATION DES DONNEES; STATISTIQUE HYDROLOGIE; GESTION-EAU; PLANIFICATION-EAU; PREVISION EAU; DECISION EAU; PROTECTION EAU; CONTROLE-EAU; MODELE HYDROLOGIQUE; CEQUEAU MODELE; MODELE DETERMINISTE MAILLE-CARREAU; MODELE D AJUSTEMENT; PREVISION HYDROLOGIQUE; PREVISION ECOULEMENT; PREVISION TEMPS REEL; RESEAU HYDROLOGIQUE; PLUVIOMETRE; RADAR HYDROLOGIE; STATION-PLUVIOMETRIQUE; RESEAU RADAR METEOROLOGIE; PRECIPITATIONS-ACIDES; POLLUANTS-ATMOSPHERIQUES; TRANSPORT-A-LONGUE-DISTANCE; MODELE STATISTIQUE; DIFFUSION UNIDIMENSIONNEL; ANISOTROPIE-SPATIALE.

GABOURY G : L' UTILISATION DE PESTICIDES EN MILIEU FORESTIER DE MEME QUE LES ACTIVITES DE PRELEVEMENT DES RESSOURCES. LES POLLUANTS-ATMOSPHERIQUES ET LEURS EFFETS SUR LA FORET. DEVELOPPEMENT DE MOYENS DE LUTTE CONTRE LA TORDEUSE-DES-BOURGEONS-DE-L'EPINETTE (BIOESSAIS).

POLLUTANT

POLLUTANT

BARRIE LA : ATMOSPHERIC CYCLE OF TRACE CONSTITUENTS. STUDY OF ACID-RAIN PHENOMENA ON A REGIONAL SCALE & ARCTIC AIR POLLUTION ON AN HEMISPHERIC SCALE. COMPUTER MODEL OF ARCTIC AIR-POLLUTION USED TO INVESTIGATE COMPLEX INTERACTIONS OF TRANSPORT, TRANSFORMATION & REMOVAL. ROUTINE AEROSOL SCIENCE MEASUREMENTS ARE MADE IN THE CANADIAN ARCTIC. RELATIONSHIP BETWEEN AIR & PRECIPITATION TRACE ELEMENTAL COMPOSITION & POLLUTANT ORIGIN UNDER INVESTIGATION.
BOUCHARD R : CARTOGRAPHIE DES PARAMETRES ENVIRONNEMENTAUX DE L' ELEVAGE DU PORC A PARTIR D'UN SYSTEME D' INFORMATION A REFERENCE SPATIALE. CLASSIFICATION GENETIQUE DES CLIMATS DU SAGUENAY, LAC-ST-JEAN. L' AGRICULTURE A SAINTE-CATHERINE DE PORTNEUF: POLLUTANT DES SOURCES D' EAU-POTABLE. LES DEPOTOIRS DE NEIGE USEE DE CHICOUTIMI.
NRIAGU JO : CYCLING OF POLLUTANT METALS IN THE ENVIRONMENT; IMPACTS OF ACID-RAIN ON AQUATIC-ECOSYSTEMS.
RENNIE PJ : PRODUCTIVITY OF TERRESTRIAL-ECOSYSTEMS, ESPECIALLY NORTHERN BOREAL-FOREST ENVIRONMENTS IN RELATION TO SOIL NUTRITIONAL-STATUS, CLIMATIC CHARACTERISTICS AND PERTURBATION-EFFECTS. PARTICULAR INTERESTS INCLUDE MINERAL CYCLING, FOREST FERTILIZATION AND AIRBORNE POLLUTANT EFFECTS ON SOILS AND VEGETATION.

POLLUTANTS

ABOUGUENDIA Z : REVEGETATION STUDIES OF LAND DISTURBED BY MINING ACTIVITIES (E.G. URANIUM TAILINGS, COAL SPOILS). ECOLOGICAL BASELINE STUDIES AND ENVIRONMENTAL-IMPACT-ASSESSMENT. RANGE ECOLOGY & PRODUCTIVITY. RESPONSE OF PLANTS TO AIRBORNE POLLUTANTS.
ALBRIGHT LJ : DEGRADATION OF AQUATIC POLLUTANTS BY AQUATIC DEGRADATION. INFLUENCES OF POLLUTANTS UPON HETEROTROPHIC BACTERIA WITHIN AQUATIC ENVIRONMENTS.
BERNHART AP : ENVIRONMENTAL-PLANNING AND ENGINEERING APPLYING A NEW METHOD OF POLLUTION-CONTROL WHEREBY ORGANIC & TOXIC POLLUTANTS ARE ABSORBED BY VEGETATIVE MATTER. CHANGING SOCIAL PATTERNS WHICH WILL POSITIVELY INFLUENCE THE ENVIRONMENT.
BROWN RGB : THE PELAGIC ECOLOGY OF SEABIRDS; THE EFFECTS OF OIL AND OTHER POLLUTANTS ON SEABIRDS.
D'AURIA JM : DEVELOPMENT OF USE OF BIOLOGICAL ORGANISMS AS SENTINEL INDICATORS OF HEAVY ELEMENT POLLUTANTS IN THE ENVIRONMENT. USE OF XRF TO MEASURE TRACE-ELEMENTS IN BIOLOGICAL AND ENVIRONMENTAL SAMPLES.
DAINTY ED : DEVELOPMENT OF DIESEL EMISSION REDUCTION DEVICES FOR USE ON UNDERGROUND MINING VEHICLES (SUCH AS FILTERS AND SCRUBBERS), PROMOTION OF RATIONAL DIESEL EMISSIONS TOXICITY CRITERION FOR UNDERGROUND VENTILATION PRESCRIPTION, AND PROMOTION OF THIS CRITERION (AIR-QUALITY INDEX; AQI) FOR RATIONAL SELECTION OF ENGINES AND REDUCTION DEVICES FOR USE UNDERGROUND AND IN OTHER CONFINED ENVIRONMENTS WHERE DIESEL ENGINES ARE EMPLOYED. AMBIENT MONITORING OF DIESEL POLLUTANTS.
DAVIDSON WR : MANAGER OF RESEARCH AND DEVELOPMENT INCLUDING METHOD AND APPLICATION DEVELOPMENT ORIENTED TOWARDS THE ENVIRONMENTAL MARKET. AREAS OF CURRENT INTEREST INCLUDE DIOXINS, PESTICIDES, PRIORITY POLLUTANTS AND TOXICS IN AIR: IN ALL CASES, TANDEM MASS-SPECTROMETRY IS USED AS THE ANALYTICAL TOOL.
ENVIRONMENTAL PROGRAMS : ENVIRONMENTAL-PROTECTION ENDEAVOURS TO ENSURE THAT THE FEDERAL GOVERNMENT CARRIES OUT ITS RESPONSIBILITIES FOR PROTECTION OF THE ENVIRONMENT IN A MANNER CONSISTENT WITH NATIONAL POLICY: PREVENTION, REDUCTION OR ELIMINATION OF ADVERSE ENVIRONMENTAL EFFECTS FROM NEW DEVELOPMENTS, RELEASES OF POLLUTANTS, OR THE USE OF HAZARDOUS-CHEMICALS & THE CLEANUP OF HARMFUL SUBSTANCES THAT ARE SPILLED.
FREEMAN HC : QUANTIFICATION OF POLLUTANTS AND CONTAMINANTS IN FISH AND SUBLETHAL EFFECTS (BIOCHEMICAL TESTS).
GNYP AW : STACK, AMBIENT AND IN-PLANT SAMPLING AND CONTINUOUS MONITORING FOR PARTICULATE AND GASEOUS POLLUTANTS: PARTICLE-SIZING: ODOUR MEASUREMENT AND CONTROL: DESIGN OF CONTROL EQUIPMENT FOR GASEOUS PARTICULATE AND ODOUROUS POLLUTANTS: LONG AND SHORT RANGE ATMOSPHERIC TRANSPORT: SOLID-WASTE DISPOSAL.
HAYA K : AQUATIC TOXICOLOGY: BIOCHEMICAL INDICATORS OF SUBLETHAL EFFECTS CAUSED BY POLLUTANTS IN AQUATIC ORGANISMS, PARTICULARLY PARAMETERS OF INTERMEDIARY ENERGY METABOLISM.
HOUSTON AH : RESPIRATORY ADAPTATIONS TO TEMPERATURE AND OXYGEN AVAILABILITY, HEMOGLOBIN OXYGEN AFFINITY MODULATORS, EFFECTS OF WATERBORNE POLLUTANTS ON ADAPTIVE CAPABILITY.
KHALIL M : ORGANIC GEOCHEMISTRY OF SURFACE SEDIMENTS. ESTUARINE POLLUTION STUDIES INCLUDING THE CONTAMINATION OF MARINE ORGANISMS BY ORGANOHALOGENATED-COMPOUNDS AND POLYAROMATIC-HYDROCARBONS. TOXICOLOGICAL STUDIES OF INDUSTRIAL POLLUTANTS AND THEIR INTRODUCTION IN THE MARINE FOOD-CHAIN.
KROUSE HR : STABLE ISOTOPE ABUNDANCES ARE USED TO IDENTIFY SOURCES OF POLLUTANTS (MAINLY SULPHUR COMPOUNDS) AND TRACE THEIR FATE IN THE ENVIRONMENT.
LANZ HE : ANALYTICAL METHOD DEVELOPMENT. ENVIRONMENTAL ANALYSES. TECHNOLOGY-TRANSFER. OCEANIC POLLUTANTS (RESIN ACIDS, CHLORINATED ORGANIC BIOACCUMULATION).
NASSICHUK MD : IMPACT-ASSESSMENT OF PROPOSED INDUSTRIAL DEVELOPMENTS THAT COULD AFFECT WATER-QUALITY. INVESTIGATIVE PROGRAMS ON IMPACT OF SPECIFIC POLLUTANTS & CONTAMINANTS ON FISH (PACIFIC SALMON) & FISH-HABITAT. POLICY & LEGISLATIVE ADVISOR ON WATER-QUALITY ISSUES.
ORMROD DP : RESEARCH ON THE EFFECT OF GASEOUS AIR-POLLUTION & HEAVY-METALS ON PLANTS. STUDIES OF DOSE-RESPONSE RELATIONSHIPS, INJURY MECHANISMS, INTERACTIONS OF POLLUTANTS & ENVIRONMENTAL EFFECTS.
PANT BC : PARTICULATE AND GAS FILTRATION SYSTEMS TO ELIMINATE POLLUTANTS SUCH AS CORROSIVE, ODOUROUS AND TOXIC GASES FROM WORK PLACE ENVIRONMENT.

POLLUTANTS

SINGH RP : STUDIES ON THE EFFECTS OF ENVIRONMENTAL POLLUTANTS (INSECTICIDES, LEAD, MANGANESE) AND CHEMICALS (PLATINUM, CAFFEINE, LSD ETC.) ON THE GENETIC MATERIAL.
SLATER GP : DETERMINATION OF VOLATILE ORGANIC-COMPOUNDS (POLLUTANTS OR NATURALLY OCCURRING) IN WATER. DETERMINATION OF VOLATILE PLANT PRODUCTS. ANALYSIS BY GAS-CHROMATOGRAPHY, MASS-SPECTROSCOPY. AGRICULTURE WASTE-TREATMENT.
SUNDARAM KMS : CHEMODYNAMICS OF POLLUTANTS AND THEIR FATE IN THE ENVIRONMENT INCLUDING THEIR TOXICITY TO VARIOUS ORGANISMS.
TIMS AJS : ACID-PRECIPITATION MONITORING; PROVINCIAL NETWORK DATA. OZONE MONITORING USING BIOMONITORS. LICHEN & MOSS BIOASSIMILATION OF TRACE-METALS & POLLUTANTS. RESPONSE TO PUBLIC COMPLAINTS OF AIR-POLLUTION INJURY TO VEGETATION.
WEBER ME : RESEARCH IN REMOVAL OF POLLUTANTS FROM WATER BY FILTRATION ULTRAFILTRATION AND ELECTRICALLY AIDED FILTRATION.
WELLS PG : COORDINATION OF MARINE ENVIRONMENTAL QUALITY ISSUE. IDENTIFICATION OF PRIORITY AREAS FOR MARINE POLLUTION RESEARCH & ASSESSMENT FOR LAND BASED POLLUTANTS. MARINE ECOTOXICOLOGY: PRINCIPLES, PRACTISE & RELATIONSHIP TO MARINE COASTAL MANAGEMENT & POLLUTION-CONTROL. BIOLOGICAL TECHNIQUES FOR EFFECTS MONITORING.

POLLUTION

BARRIE LA : ATMOSPHERIC CYCLE OF TRACE CONSTITUENTS. STUDY OF ACID-RAIN PHENOMENA ON A REGIONAL SCALE & ARCTIC AIR POLLUTION ON AN HEMISPHERIC SCALE. COMPUTER MODEL OF ARCTIC AIR-POLLUTION USED TO INVESTIGATE COMPLEX INTERACTIONS OF TRANSPORT, TRANSFORMATION & REMOVAL. ROUTINE AEROSOL SCIENCE MEASUREMENTS ARE MADE IN THE CANADIAN ARCTIC. RELATIONSHIP BETWEEN AIR & PRECIPITATION TRACE ELEMENTAL COMPOSITION & POLLUTANT ORIGIN UNDER INVESTIGATION.
BETTS JL : PULP-AND-PAPER EFFLUENT TOXICITY. PULP-AND-PAPER POLLUTION ABATEMENT TECHNOLOGY.
CAMPBELL PG : TRACE-METAL BIOGEOCHEMISTRY. ACID-PRECIPITATION. SOURCE POLLUTION; EVOLUTION POLLUTION; POLLUTION TRANSPORT; GROUNDWATER CONTAMINATION BY PESTICIDES.
CARTY AJ : HEAVY-METAL POLLUTION IN THE ENVIRONMENT. BINDING OF HEAVY-METALS BY LIGANDS OF BIOLOGICAL SIGNIFICANCE. CHELATION-THERAPY FOR HEAVY-METALS. METHYLATION OF LEAD AND TIN IN THE ENVIRONMENT. SELENIUM PROTECTION AGAINST HEAVY-METALS.
CHIA CJ : MERCURY POLLUTION, WASTE ALKYLATION ACID, WASTE SULPHATE SOLUTION FROM CHLORALKALI PLANT. AMMONIA CONDENSATES & THEIR TREATMENT AND OR RECOVERY.
CHISHOLM AJ : MANAGEMENT OF RESEARCH IN STRATOSPHERIC POLLUTION, OZONE MONITORING, SOLAR ENERGY, WEATHER RADAR, CLOUD PRECIPITATION PHYSICS, CLOUD CHEMISTRY & ACID-FOG. HEAD, CANADIAN DELEGATION NEGOTIATING THE VIENNA CONVENTION FOR THE PROTECTION OF THE OZONE LAYER.
CLARK JA : MICROBIAL ANALYSIS OF DRINKING-WATER SAMPLES FOR POLLUTION INDICATOR BACTERIA BY MEMBRANE FILTER AND PRESENCE ABSENCE TESTS.
COOK RH : AQUACULTURE DEVELOPMENT (ATLANTIC SALMON, AMERICAN LOBSTER, SEA SCALLOPS) GROWTH & REPRODUCTIVE PHYSIOLOGY, DISEASE & NUTRITION, DIET FORMULATIONS, METHODS OF DISEASE-PREVENTION, GENETICS. POLLUTION EFFECTS ON FISH: ECOLOGICAL STUDIES, SUBLETHAL BIOLOGICAL EFFECTS, METHODS, DETECTION & ANALYSIS OF TRACE ORGANIC & INORGANIC TOXIC-CHEMICALS.
COOLEY JM : FRESHWATER ZOOPLANKTON RESPONSE TO POLLUTION.
DE'ATH CE : KOREA: RESEARCH ON POPULATION, AIR & WATER-QUALITY, NUCLEAR-WASTE, AGRICULTURE & INDUSTRIAL POLLUTION WILDLIFE. PAPUA-NEW-GUINEA: MANUS-ISLAND & FORESTRY DEVELOPMENT IMPACTS. CANADA: SOCIAL & ENVIRONMENTAL-ASSESSMENT (LAKE EUGENIA, NWT), ENERGY EDUCATION IN ONTARIO, MINING IN WINDIGO TRIBAL AREA OF NORTHERN ONTARIO.
DUTKA BJ : MICROBIAL METHODOLOGY, MICROBIAL TOXICITY SCREENING TESTS, LEGIONELLA IN WATER, COLIPHAGE ENUMERATION, WATER-QUALITY ESTIMATION, BACTERIAL POLLUTION OF WATERS, MICROBIAL POPULATION ESTIMATES; WATER, POTABLE-WATER, SEDIMENT WATER QUALITY STANDARDS.
DWIVEDI OP : ENVIRONMENTAL POLICY PLANNING AND MANAGEMENT, ENVIRONMENTAL-LEGISLATION, ACCOUNTABLE ENVIRONMENTAL-MANAGEMENT, INTERGOVERNMENTAL AND INTERNATIONAL ENVIRONMENTAL RELATIONS, NORTH-SOUTH ENVIRONMENTAL RELATIONS, AND ENVIRONMENTAL ADMINISTRATION. ENVIRONMENTAL MENTAL ETHICS. POVERTY AND POLLUTION. RELIGIOUS IMPERATIVES TO ENVIRONMENTAL CRISIS.
EAST C : METEOROLOGIE DE LA POLLUTION DE L' AIR TRANSPORT E DIFFUSION DES POLLUANTS.
GORDON DC : MARINE-ECOLOGY, ECOLOGICAL MODELLING, ORGAN CARBON CYCLING. MARINE POLLUTION, ENVIRONMENTAL-IMPACT-ASSESSMENT. ASSESSMENT WITH FOCUS ON ESTUARIES & CONTINENTAL SHELF ENVIRONMENTS.
HALL KJ : ENVIRONMENTAL POLLUTION, SPECIFICALLY TRACE-METAL AND TRACE-ORGANIC CONTAMINANTS. PRODUCTION AND DECOMPOSITION PROCESSES IN MARSHES. LIMNOLOGICAL STUDIES ON NUTRIENT AVAILABILITY AND REGULATION OF PRODUCTION PROCESSES.
HARRINGTON JB : FOREST-METEOROLOGY: POLLUTION METEOROLOGY: AGRICULTURAL METEOROLOGY; EMPHASIS ON WIND AND DISPERSION.
INTL MARINE ENVIRONMENTALISTS INC : MARINE ENVIRONMENTAL CONSULTING FIRM WITH EXPERTISE IN ENVIRONMENTAL-IMPACT-ASSESSMENTS, POLLUTION BY PESTICIDES & POLYAROMATIC-HYDROCARBONS, MARINE ECOTOXICOLOGY, ESTUARINE DREDGING & THEIR ENVIRONMENTAL-IMPACT.
KHALIL M : ORGANIC GEOCHEMISTRY OF SURFACE SEDIMENTS. ESTUARINE POLLUTION STUDIES INCLUDING THE CONTAMINATION OF MARINE ORGANISMS BY ORGANOHALOGENATED-COMPOUNDS AND POLYAROMATIC-HYDROCARBONS. TOXICOLOGICAL STUDIES OF INDUSTRIAL POLLUTANTS AND THEIR INTRODUCTION IN THE MARINE FOOD-CHAIN.

POLLUTION

LAKSHMINARAYANA JSS : BIOLOGICAL LIMNOLOGY & OCEANOGRAPHY; POLLUTION, WATER-QUALITY, ALGAE, PHYTOPLANKTON, PRODUCTIVITY. TEACHING, SCIENTIFIC RESEARCH & DEVELOPMENT: COASTAL, MARINE & FRESHWATER ENVIRONMENT.
MARSALEK J : CHARACTERIZATION OF CONTRIBUTIONS OF URBAN LAND RUNOFF TO THE POLLUTION OF RECEIVING WATERS, FIELD AND COMPUTER-SIMULATION STUDIES OF SUCH CONTRIBUTIONS.
MATHEWS T : ACOUSTIC REMOTE-SENSING OF THE ATMOSPHERE USING MONOSTATIC & DOPPLER RADAR TO MEASURE TURBULENCE & WIND PROFILES TO STUDY CHINOOKS & OTHER MESOSCALE PHENOMENA & TO APPLY TO POLLUTION DISPERSION PROBLEMS.
MCNEIL L : REGROUPEMENT D'ASSOCIATIONS DE VILLEGIATEURS 600 QUI TRAVAILLENT A LA PROTECTION DE L' ENVIRONNEMENT DES LACS ET A LA PROTECTION DE LA NATURE, POLLUTION DES LACS; REGENERATION DES RIVES. GROUPE DE PRESSION EN ENVIRONNEMENT. SENSIBILISATION, EDUCATION, INFORMATION.
MOSELHY MM : ENVIRONMENTAL RESEARCH PLANNING. POLICY ANALYSIS. AIR, WATER, WASTE POLLUTION ANALYSIS; EFFECTS. ANALYTICAL-CHEMISTRY. ATOMIC EMISSION SPECTROSCOPY MULTIELEMENTAL ANALYSIS.
NEILSON JM : MINERAL EXPLORATION. MINE DEVELOPMENT. MINE-TAILINGS DISPOSAL. SOLID & LIQUID-WASTE DISPOSAL. REGENERATION OF MINED AREAS. REVEGETATION: TEMPERATE & TROPICAL. SURFACE & SUBSURFACE POLLUTION. ACID-RAIN RESEARCH (CANADA & NORWAY). WELL DRILLING: SUBSURFACE WATER-SUPPLY.
NICOLLE FA : POLLUTION DUE A L'INDUSTRIE DES PATES ET PAPIER.
NORTH H : REDUCTION OF THERMAL & CHEMICAL POLLUTION; LOW FREQUENCY CAVITATION PROCESSING; RESONANCE GRINDING COMMINUTION.
PATNI NK : AGRICULTURAL AND RELATED WASTES. FARM POLLUTION ABATEMENT.
PRAKASH A : MARINE POLLUTION, COASTAL ZONE MANAGEMENT, COASTAL AQUACULTURE, SHELLFISH, MARINE PRODUCTIVITY, RED-TIDES, SHELLFISH POISONING, ENVIRONMENTAL-QUALITY, ECOLOGY, ENVIRONMENTAL-IMPACT-ASSESSMENT MARINE PHYTOPLANKTON, TOXICITY, PHYSIOLOGY, DINOFLAGELLATES.
PROKOPUK R : FOSSIL FUELS FOR HEATING. POWER GENERATION AND PROCESS APPLICATIONS: ENVIRONMENTAL-ASSESSMENT: AIR, WATER AND SOIL POLLUTION FROM STATIONARY AND MOBILE SOURCES; ANALYTICAL LABORATORY TECHNIQUES.
REDMANN RE : PHYSIOLOGICAL PLANT ECOLOGY, GRASSLAND ECOLOGY, POLLUTION EFFECTS ON PLANTS, ESPECIALLY AIRBORNE SALTS AND ACIDITY, DROUGHT STRESS EFFECTS, PLANT WATER RELATIONS, CARBON-DIOXIDE EXCHANGE IN PLANTS.
ROBITAILLE G : EFFECTS OF PRIMARY & SECONDARY AIR-POLLUTANTS INCLUDING ACID-RAIN ON FORESTS, SOILS, LICHENS & MOSSES; NUTRIENT CYCLING IN FOREST-ECOSYSTEMS: BIOGEOCHEMICAL CYCLES; BIOMONITORING; TREE-RING ANALYSIS IN RELATION TO POLLUTION.
SATTAR SYED A : IMPACT OF VIRAL POLLUTION ON HUMAN HEALTH; SURVIVAL OF VIRUSES IN WATER, SOIL & THE ATMOSPHERE; DEVELOPMENT OF TECHNIQUES FOR VIRUS RECOVERY FROM THE ENVIRONMENT.
SKEY SGP : WEATHER AND SEA STATE FORECASTING (REAL TIME, 24 HRS/DAY/YEAR ROUND). METEOROLOGICAL MONITORING, FIELD STUDIES, NUMERICAL MODELLING, POLLUTION STUDIES, AGRICULTURAL AND WATER-RESOURCE STUDIES. OCEANOGRAPHIC CONSULTING, CURRENT, TIDE AND WAVE MEASUREMENTS AND ANALYSIS FROM SHALLOW WATER TO DEEP OCEAN.
VANDERMEULEN JH : RESEARCH: PHYSIOLOGICAL & BIOCHEMICAL, POLLUTION STRESS IN AQUATIC ORGANISMS PRIMARILY FROM PETROLEUM HYDROCARBONS. PHYSICAL & CHEMICAL, FATE & DISPOSITION OF PETROLEUM HYDROCARBONS IN COASTAL SEDIMENTS. COASTAL ZONE POLLUTION & MANAGEMENT.
VISSER SA : EFFECTS OF MANURES, COMPOSTS & HUMIC-SUBSTANCES ON SOIL MICROFLORA, HIGHER PLANTS, SOIL PROPERTIES & ON POLLUTION OF NATURAL WATERS.
WALLER DH : URBAN STORMWATER QUALITY AND QUANTITY. NON-POINT SOURCE POLLUTION. URBAN RESEARCH WATERSHEDS. RAIN-WATER CISTERN SYSTEMS. ON-SITE SEWAGE DISPOSAL.
WELLS PG : COORDINATION OF MARINE ENVIRONMENTAL QUALITY ISSUE. IDENTIFICATION OF PRIORITY AREAS FOR MARINE POLLUTION RESEARCH & ASSESSMENT FOR LAND BASED POLLUTANTS. MARINE ECOTOXICOLOGY: PRINCIPLES, PRACTISE & RELATIONSHIP TO MARINE COASTAL MANAGEMENT & POLLUTION-CONTROL. BIOLOGICAL TECHNIQUES FOR EFFECTS MONITORING.
YOUNG M : BACTERIAL POLLUTION OF SURFACE-WATERS & SEDIMENTS FROM FECAL (URBAN & RURAL) & INDUSTRIAL SOURCES; ANALYSIS & INTERPRETATION. DISPOSAL OF PATHOLOGICAL WASTE.

POLLUTION-CONTROL

ABBOTT FS : BIOTECHNOLOGY; APPLICATIONS TO WASTE-TREATMENT AND POLLUTION-CONTROL. BIODEGRADATION.
BERNHART AP : ENVIRONMENTAL-PLANNING AND ENGINEERING APPLYING A NEW METHOD OF POLLUTION-CONTROL WHEREBY ORGANIC & TOXIC POLLUTANTS ARE ABSORBED BY VEGETATIVE MATTER. CHANGING SOCIAL PATTERNS WHICH WILL POSITIVELY INFLUENCE THE ENVIRONMENT.
DRAPER DW : MANAGEMENT OF SCIENTIFIC INVESTIGATIONS AND POLLUTION-CONTROL TECHNOLOGY EVALUATION PROGRAMS FOR FOSSIL-FUELLED AND NUCLEAR POWER, AND OIL AND GAS PRODUCTION AND PROCESSING. DEVELOPMENT AND CONDUCT OF ENVIRONMENTAL-PROGRAMS FOR NEW ENERGY TECHNOLOGIES.
GOYETTE DE : MARINE ENVIRONMENTAL-IMPACT-ASSESSMENT AND POLLUTION-CONTROL; INDUSTRIAL AND MUNICIPAL DISCHARGES, PACIFIC COAST. SPECIFIC STUDIES ON THE PHYSICAL, CHEMICAL AND BIOLOGICAL IMPACTS OF MINE-TAILINGS AND EFFLUENTS FROM PULP-MILLS; TISSUE TRACE-METALS; MONITORING AND REGULATION COMPLIANCE; ENVIRONMENTAL-IMPACT-ASSESSMENT; PORT & HARBOURS; BIOLOGICAL EFFECTS OF ORGANIC CONTAMINANTS AND URBAN WASTES.

POLLUTION-CONTROL

HALL HA : RESPONSIBLE FOR MARINE ENVIRONMENTAL-PROTECTION POLICY DEVELOPMENT AND ENFORCEMENT OF REGULATORY INSTRUMENTS FOR POLLUTION-CONTROL AND OCEAN DUMPING. DIRECT THE PROVISION OF ADVICE CONCERNING ENVIRONMENTAL-IMPACT OF OFFSHORE EXPLORATION, AND ENVIRONMENTAL ADVICE AND RESPONSE TO MARINE EMERGENCIES.

SHAWKI SM : SPECIALTY CHEMICALS & CHEMICAL SERVICES FOR WATER CLARIFICATION & POLLUTION-CONTROL FOR MUNICIPALITIES & INDUSTRIES SUCH AS MINING, PULP & PAPER, AUTOMOTIVE, METAL INDUSTRIES & OIL FIELD SERVICES.

SMITH JW : INDUSTRIAL-HYGIENE ENGINEERING AND POLLUTION-CONTROL, CERTIFIED INDUSTRIAL HYGIENIST AND DESIGNATED SPECIALIST IN OCCUPATIONAL-HEALTH AND SAFETY, IMPACT AND RISK-ASSESSMENT, AIR-QUALITY MONITORING.

SZABO BS : MECHANICAL AND ELECTRICAL ENGINEERING RELATED TO BUILDING DESIGN COVERING CONCEPT, DESIGN AND DEVELOPMENT, CONSTRUCTION ADMINISTRATION, SYSTEMS MANAGEMENT AND OPERATIONS. IN DEPTH CAPABILITIES IN FIELDS OF ENERGY STUDIES, GENERATION, TRANSMISSION, DISTRIBUTION AND UTILIZATION; POLLUTION-CONTROL, ENVIRONMENTAL STUDIES, BUILDING AUTOMATION DESIGNS.

WALLER JE : POLLUTION-CONTROL, DEVELOPMENT OF UNIQUE PROCESSES, CORROSION CONTROL.

WELLS PG : COORDINATION OF MARINE ENVIRONMENTAL QUALITY ISSUE. IDENTIFICATION OF PRIORITY AREAS FOR MARINE POLLUTION RESEARCH & ASSESSMENT FOR LAND BASED POLLUTANTS. MARINE ECOTOXICOLOGY: PRINCIPLES, PRACTISE & RELATIONSHIP TO MARINE COASTAL MANAGEMENT & POLLUTION-CONTROL. BIOLOGICAL TECHNIQUES FOR EFFECTS MONITORING.

WILSON MA : MANAGES RESEARCH AND DEVELOPMENT PROJECTS ON POLLUTION-CONTROL TECHNOLOGY; SPECIFICALLY IN WATER AND WASTEWATER-TREATMENT, WASTE-MANAGEMENT AND ATMOSPHERIC EMISSION CONTROL. AREAS OF WORK INCLUDE PULP-AND-PAPER, SOUR-GAS AND HAZARDOUS-WASTE DISPOSAL.

POLLUTION-EAU

AUCLAIR JC : HYDROBIOLOGIE; ECOLOGIE-AQUATIQUE; ECOSYSTEME AQUATIQUE; EUTROPHISATION; POLLUTION-EAU; LIMNOLOGIE; LAC ACIDIFICATION; PRECIPITATIONS-ACIDES LAC; ALGUE PLANCTON; PHYTOPLANCTON; CHLOROPHYLLE; OXYGENE DISSIUS; MATIERE ORGANIQUE; PHOSPHATE; PHOSPHORE.

POLLUTION-PROBE

ISAACS CFW : THE POLLUTION-PROBE FOUNDATION IS COMMITTED TO DEVELOPING AND MAINTAINING AN AWARENESS OF ENVIRONMENTAL ISSUES AT ALL LEVELS OF CANADIAN SOCIETY AND THROUGH RESEARCH AND REASONED DEBATE. ENCOURAGING INDIVIDUALS, CORPORATIONS, COMMUNITIES AND GOVERNMENT TO ADOPT PRAGMATIC SOLUTIONS TO PRESSING ENVIRONMENTAL PROBLEMS FACING OUR COUNTRY.

POLONIUM

SMITHSON GL : ENVIRONMENTAL CHEMICAL AND RADIOCHEMICAL ANALYSIS OF ALL SAMPLE TYPES. SET UP FIRST COMMERICAL RADIOCHEMICAL LAB IN CANADA (1974). ANALYSIS OF ALL CHEMICAL AND ELEMENTAL SPECIES INCLUDING RADIUM, LEAD, POLONIUM, THORIUM AND URANIUM ISOTOPES IN ANY SAMPLE TYPE. RADIOCHEMICAL PROCEDURES MANUAL.

POLYAROMATIC-HYDROCARBONS

INTL MARINE ENVIRONMENTALISTS INC : MARINE ENVIRONMENTAL CONSULTING FIRM WITH EXPERTISE IN ENVIRONMENTAL-IMPACT-ASSESSMENTS, POLLUTION BY PESTICIDES & POLYAROMATIC-HYDROCARBONS, MARINE ECOTOXICOLOGY, ESTUARINE DREDGING & THEIR ENVIRONMENTAL-IMPACT.

KHALIL M : ORGANIC GEOCHEMISTRY OF SURFACE SEDIMENTS. ESTUARINE POLLUTION STUDIES INCLUDING THE CONTAMINATION OF MARINE ORGANISMS BY ORGANOHALOGENATED-COMPOUNDS AND POLYAROMATIC-HYDROCARBONS. TOXICOLOGICAL STUDIES OF INDUSTRIAL POLLUTANTS AND THEIR INTRODUCTION IN THE MARINE FOOD-CHAIN.

POLYCHAETES

CRIPPEN RW : MARINE & ESTUARINE BENTHOS, ESPECIALLY POLYCHAETES, THEIR SYSTEMATICS & TAXONOMY, COMMUNITY STRUCTURE & INTERACTION WITH ENVIRONMENTAL CONDITIONS, BOTH NATURAL & MAN INFLUENCED.

POLYCHLORINATED-BIPHENYLS

MARKS GS : STUDIES OF THE EFFECTS OF XENOBIOTICS SUCH AS POLYCHLORINATED-BIPHENYLS, HEXACHLOROBENZENE, ETC. ON THE HEPATIC HEME BIOSYNTHETIC PATHWAY. STUDIES ARE CARRIED OUT IN CHICK EMBRYO LIVER AND ARE DIRECTED TO THE MECHANISM BY WHICH XENOBIOTICS AFFECT THE HEME BIOSYNTHETIC PATHWAY.

POLYCHLORINATED-BIPHENYLS

MELLORS A : BIOCHEMICAL TOXICOLOGY; PHYSICAL TOXICITY; MOLAR VOLUME CORRELATIONS; HYDROCARBON AND HALOGENATED HYDROCARBON TOXICITY; INHIBITION OF MEMBRANE-BOUND ENZYMES; LYMPHOCYTE TOXICOLOGY; TUMOUR PROMOTION AND CARCINOGENESIS; POLYCHLORINATED-BIPHENYLS; INHIBITION OF CELL ACTIVATION.

POLYCYCLIC-AROMATIC-HYDROCARBONS

LANE DA : PHOTODECOMPOSITION OF (PAH) DATA-BASE; POLYCYCLIC-AROMATIC-HYDROCARBONS. DESORPTION OF ORGANICS FROM PARTICULATE MATTER; TRACE AND ULTRA-TRACE ANALYSIS OF GAS AND PARTICULATE PHASE TOXIC-COMPOUNDS; MASS-SPECTROMETRY (MS); TRIPLE QUADRUPOLE MS; ATMOSPHERIC PRESSURE CHEMICAL IONIZATION MS; MOBILE MS.

POLYCYCLIC-HYDROCARBONS

OUELLET M : PALEOLIMNOLOGICAL STUDY OF LAKE SEDIMENTS AS A MEANS OF RECONSTRUCTING PAST ANTHROPOGENIC IMPACTS. LONG-RANGE-ATMOSPHERIC-POLLUTANTS SUCH AS ACIDIFYING PRODUCTS, HEAVY-METALS, FLUORIDES AND POLYCYCLIC-HYDROCARBONS.

POLYELECTROLYTE

GEHR R : WATER & WASTEWATER-TREATMENT, SPECIFICALLY POLYELECTROLYTE USAGE, CHARACTERIZATION & INTERACTIONS; PHOSPHORUS REMOVAL; STATISTICAL-ANALYSIS OF BIODEGRADATION & RIVER QUALITY DATA; ATTACHED VS SUSPENDED GROWTH PROCESSES.

POLYELECTROLYTES

GALAND JL : PRODUITS CHIMIQUES POUR TRAITEMENT DE L' EAU-DE-BOUES ET DES ECUMES. SELS-D'ALUMINIUM. POLYELECTROLYTES. DISPERSANTS. SILICE ACTIVEE.

POLYFLUOROHYDROCARBON

FOSTER AB : STUDY OF TOTAL SUSPENDED PARTICULATE, DEVELOPMENT & UTILIZATION OF NEW FILTER MEDIUM SUCH AS POLYSTRENE & POLYFLUOROHYDROCARBON MATERIALS. TOXIC METALS IN TSP AND SETTLEABLE PARTICULATE.

POLYMER

CLARK AG : AQUATIC VIBRIOS, SURVIVAL TOXIGENESIS & VARIATION IN VIRULENCE. HYDROCARBON DEGRADATION & SURFACTANT PRODUCTION IN MIXED & PURE CULTURES. MICROBIAL DEGRADATION OF WATER POLYMER BASED PAINT: PAINT ANTIMICROBIALS.

POLYNUCLEAR-AROMATIC-HYDROCARBONS

BIRMINGHAM BC : DEVELOPMENT OF SCIENTIFIC CRITERIA DOCUMENTS FOR ENVIRONMENTAL STANDARDS MULTI-MEDIA APPROACH. TOXICOLOGICAL ASSESSMENT, ENVIRONMENTAL FATE MODELLING, RECEPTOR EXPOSURE MODELLING, RISK-ASSESSMENT. CHLORINATED DIOXINS & DIBENZOFURANS, PCBS, POLYNUCLEAR-AROMATIC-HYDROCARBONS & PESTICIDES.

POLYSTRENE

FOSTER AB : STUDY OF TOTAL SUSPENDED PARTICULATE, DEVELOPMENT & UTILIZATION OF NEW FILTER MEDIUM SUCH AS POLYSTRENE & POLYFLUOROHYDROCARBON MATERIALS. TOXIC METALS IN TSP AND SETTLEABLE PARTICULATE.

PONDS

THIRUMURTHI D : LOW COST WASTEWATER-TREATMENT FOR DEVELOPING NATIONS; LAGOONS AND PONDS; WATER-TREATMENT AND ANAEROBIC TREATMENT OF SANITARY LANDFILL LEACHATE.

POPULATION

BOYLE TJB : POPULATION & QUANTITATIVE GENETICS. BIOCHEMICAL GENETICS, ESPECIALLY APPLIED TO FOREST GENETICS & TREE IMPROVEMENT OPERATIONS OF BOREAL SPECIES.

POPULATION

CLAYTON JW : BIOCHEMICAL GENETICS, POPULATION GENETICS, SYSTEMATICS AND EVOLUTIONARY BIOLOGY OF FISHES AN ARCTIC MARINE MAMMALS.

DE'ATH CE : KOREA: RESEARCH ON POPULATION, AIR & WATER-QUALITY, NUCLEAR-WASTE, AGRICULTURE & INDUSTRIAL POLLUTION WILDLIFE. PAPUA-NEW-GUINEA: MANUS-ISLAND & FORESTRY DEVELOPMENT IMPACTS. CANADA: SOCIAL & ENVIRONMENTAL-ASSESSMENT (LAKE EUGENIA, NWT), ENERGY EDUCATION IN ONTARIO, MINING IN WINDIGO TRIBAL AREA OF NORTHERN ONTARIO.

DOUGLAS GR : GENETIC TOXICOLOGY, MUTAGENESIS, GENETIC MONITORING OF HUMAN POPULATION. APPLICATION OF GENETIC TOXICOLOGY DATA IN REGULATION OF CHEMICALS. WORLD HEALTH ORGANIZATION COLLABORATION CENTRE ON ENVIRONMENTAL-MUTAGENESIS.

DUTKA BJ : MICROBIAL METHODOLOGY, MICROBIAL TOXICITY SCREENING TESTS, LEGIONELLA IN WATER, COLIPHAGE ENUMERATION, WATER-QUALITY ESTIMATION, BACTERIAL POLLUTION OF WATERS, MICROBIAL POPULATION ESTIMATES; WATER, POTABLE-WATER, SEDIMENT WATER QUALITY STANDARDS.

EASTMAN DS : HABITAT RELATIONSHIPS OF WILDLIFE & THE IMPACT OF FORESTRY & OTHER RESOURCE USE ACTIVITIES ON THEM. POPULATION RELATED ASPECTS OF WILDLIFE SUCH AS PREDATION, DISEASE & COMPETITION.

HOLDER-FRANKLIN MA : MATHEMATICAL-MODELS FOR THE MEASUREMENT OF POPULATION SHIFTS OF RIVER BACTERIA IN RESPONSE TO ENVIRONMENTAL CHANGE; PRIMARILY MULTIVARIATE STATISTICAL ALGORITHMS.

JAMES PC : POPULATION ECOLOGY OF THE MERLIN-FALCO-COLUMBARIUS; LONG-TERM STUDY OF ON URBAN POPULATION IN SASKATOON. CHICKS BANDED & ADULTS TRAPPED EACH YEAR. ALLOWS DATA ON AGE STRUCTURE, TURNOVER & MORTALITY RATE ETC.

LE BLANC JPR : POPULATION ECOLOGY; EFFECTS OF TEMPERATURE ON THE PREDATORY PHYTOSEIID-MITES ON APPLE. SOIL ARTHROPODS SURVEY & RELATIONSHIP TO SOIL-FERTILITY. INTEGRATED PEST-MANAGEMENT PROGRAMS OF AGRICULTURAL PESTS, PRIMARILY TRAPPING & MONITORING TECHNIQUES. CURATOR OF THE ENTOMOLOGICAL COLLECTIONS.

LLOYD K : WILDLIFE POPULATION & HABITAT RESEARCH & MANAGEMENT: INVENTORY PROGRAM, PROBLEM WILDLIFE RESEARCH & MANAGEMENT SURVEY TECHNIQUE RESEARCH & MANAGEMENT PLANS.

SANDERS CJ : BEHAVIOUR OF MOTHS IN RESPONSE TO SEX PHEROMONES AND IN DISPERSAL; ALSO ON INSECT POPULATION DYNAMICS. DEVELOPMENT OF INSECT MONITORING SYSTEMS (TRAPPING) AND POPULATION REGULATIONS (DISRUPTION OF MATING) USING SEX PHEROMONES.

SCHWASS RD : CHAIRMAN, TASK FORCE ON CONSERVATION STRATEGY FOR NORTHERN CANADA; CHAIRMAN, ADVISORY COMMITTEE ON RESOURCE MANAGEMENT, BANFF CENTRE; ADVISOR, TO SEVERAL MINISTERS RESPONSIBLE FOR ENVIRONMENTAL POLICY, GOVERNMENT OF CANADA. MEMBER, INTL. ASSOC. OF UNIV. CONFERENCE ON ENVIRONMENTAL EDUCATION, BUDAPEST, OCT. 1983. CONSULTANT TO I.U.C.N. ON SUSTAINABLE DEVELOPMENT AND CONSERVATION STRATEGY IN PAKISTAN AND TANZANIA 1985-86; CONSULTANT TO THE MINISTRY OF POPULATION AND ENVIRONMENT, GOVERNMENT OF INDONESIA, 1985-86.

SMITH LF : EPIDEMIOLOGICAL-STUDIES: POPULATION BASED INFORMATION-SYSTEMS FOR ONTARIO INCLUDING CANCER & REPRODUCTIVE OUTCOMES, POPULATION MONITORING FOR LEAD & PCBS. OUTBREAK INVESTIGATIONS.

TOMKINS DJ : OCCUPATIONAL AND ENVIRONMENTAL GENETIC TOXICOLOGY DEVELOPMENT OF SEVERAL GENETIC MEASURES INCLUDING CYTOGENETIC AND SINGLE GENE MUTATION; ASSESSMENT OF MEASURES FOR POPULATION MONITORING.

WESELOH DV : LEVELS OF TOXIC-CHEMICALS, DISTRIBUTION AND POPULATION LEVELS OF COLONIAL WATERBIRDS ON THE GREAT-LAKES.

ZAMMUTO RM : RELATIONSHIPS AMONG VARYING ENVIRONMENTAL CONDITIONS AND LIFE-HISTORIES OF BIRD AND MAMMAL POPULATIONS IN MONTANE OR BOREAL AREAS. TERRESTRIAL-ECOLOGY, ZOOLOGY, SURVIVAL, WILDLIFE, NON-GAME, REPRODUCTION, ORNITHOLOGY, WEATHER, BIOMETEOROLOGY, BIOMETRICS, BOREAL, CLIMATE, CONSERVATION, METEOROLOGY, MAMMAL POPULATION.

POPULATION-DYNAMICS

BIDGOOD BF : FRESHWATER FISHERIES BIOLOGY, POPULATION-DYNAMICS, PHYSIOLOGY OF FRESHWATER FISHES. MANIPULATION OF ECOSYSTEMS.

BOURNE N : BIOLOGICAL RESEARCH IN ESTUARINE ECOLOGY WITH EMPHASIS ON BIVALVE-MOLLUSCS. ASSESSMENT OF POPULATION-DYNAMICS OF BIVALVES FOR OPTIMUM MANAGEMENT OF RESOURCE. PRESENT RESEARCH MAINLY IN AQUACULTURE WITH EMPHASIS ON CULTURE OF OYSTERS, CLAMS AND SCALLOPS.

BOYD H : STATUS, BIOLOGY, POPULATION-DYNAMICS AND MANAGEMENT OF HOLARCTIC BIRDS, ESPECIALLY WATERFOWL, SHOREBIRDS AND SEABIRDS. DUCK HUNTING AND DUCK NUMBERS.

BUCKNER CH : FOREST-PROTECTION BY MEANS OF PESTICIDES; FOREST-MANAGEMENT; POPULATION-DYNAMICS AS APPLIED TO PEST-MANAGEMENT; BIOLOGICAL CONTROL OF FOREST PESTS; USE OF AIRCRAFT IN FORESTRY FOR PROTECTION & SURVEILLANCE.

CHENG HH : BIOLOGY, POPULATION-DYNAMICS, CHEMICAL AND BIOLOGICAL CONTROL OF INSECTS ATTACKING TOBACCO AND PEANUT CROPS; ASSESSMENT OF CROP LOSSES, WITHOUT THE USE OF INSECTICIDES. INTEGRATED PEST-MANAGEMENT FOR VEGETABLE AND FRUIT CROPS.

CHRISTIE WJ : FISH POPULATION-DYNAMICS. EFFECTS OF WEATHER, SEA LAMPREY, OVER-FISHING ON YIELDS FROM ECONOMICALLY IMPORTANT LAKE ONTARIO FISH-STOCKS. FISH COMMUNITY DYNAMICS; ANALYSIS OF HISTORICAL TRENDS IN LAKE ONTARIO; IDENTIFICATION OF STRESS EFFECTS. ECOSYSTEM STUDIES. STRATEGIC FISHING MANAGEMENT PLANNING.

DOUBLEDAY WG : POPULATION-DYNAMICS & MANAGEMENT OF MARINE & ANADROMOUS FISH & MARINE MAMMALS.

HARRISON PG : ECOLOGY OF ESTUARINE PLANTS (SEAGRASSES & ALGAE), ESPECIALLY POPULATION-DYNAMICS & PLANT & ANIMAL INTERACTIONS. FUNCTIONAL ECOLOGY OF DETRITUS BASED ECOSYSTEMS.

HOEFS ME : POPULATION-DYNAMICS & RANGE USE OF BOVIDS, SPECIFICALLY WILD SHEEP & BISON. HORN GROWTH CHARACTERISTICS OF WILD SHEEP & MOUNTAIN GOATS & THEIR RELEVANCE TO MANAGEMENT.

POPULATION-DYNAMICS

MAUN MA : POPULATION-DYNAMICS AND PHYSIOLOGICAL ECOLOGY OF VEGETATION ON LAKE HURON SAND-DUNES. INSECT & PLAN INTERACTIONS ON SAND-DUNE SYSTEMS. RECOLONIZATION OF SAND-DUNE SYSTEMS.
MERRIAM HG : EFFECTS OF ISOLATION OF FOREST FRAGMENTS BY FARMLAND AND SUBURBAN LAND-USE. EFFECTS OF HETEROGENEITY OF LANDSCAPE MOSAICS ON SPECIES ASSEMBLAGES AND REGIONAL POPULATION-DYNAMICS INCLUDING LOCAL EXTINCTION AND RECOLONIZATION IN PATCHES AND THE EFFECTS OF CONNECTIVITY AMONG HABITAT ISLANDS.
MESSIEH S : CONDUCT RESEARCH ON ATLANTIC HERRING FISHERIES & POPULATION-DYNAMICS TO PROVIDE BIOLOGICAL ADVICE ON THEIR MANAGEMENT. STUDY & EFFECT OF ENVIRONMENTAL FACTORS GROWTH, MORTALITY & RECRUITMENT.
REYNOLDISON TB : USE OF OLIGOCHAETA AS INDICATORS OF TOXIC CONTAMINANT STRESS. THIS INVOLVES EXAMINATION OF INDIVIDUAL SPECIMENS FOR THE PRESENCE OF CHAETAL-DEFORMITIES. IDENTIFICATION OF THE ROLE OF TEMPERATURE & OXYGEN IN THE POPULATION-DYNAMICS OF OLIGOCHAETA IN LAKE ERIE.
SAFRANYIK L : CONDUCT STUDIES OF THE MANAGEMENT & POPULATION-DYNAMICS OF DESTRUCTIVE BARK BEETLES IN CONIFEROUS FORESTS. DEVELOP TECHNIQUES & MANAGEMENT GUIDELINES FOR PREVENTING & REDUCING LOSSES FROM DESTRUCTIVE BARK BEETLES.
SMITH HD : FISHERIES AND FISH-HABITAT RESEARCH MANAGEMENT. STOCK-ASSESSMENTS AND SOCKEYE SALMON (O.NERKA) BIOLOGY AND POPULATION-DYNAMICS.
TURNOCK WJ : POPULATION-DYNAMICS OF INSECTS. NATURAL & BIOLOGICAL CONTROL OF INSECTS. COLD-HARDINESS & OVERWINTERING OF INSECTS. SAMPLING INSECT POPULATIONS.

POPULATIONS

BERGERON JM : IMPACT DE LA CHIMIE DES HABITATS SUR LA SANTE, LA SURVIE ET CERTAINS PARAMETRES DE DYNAMIQUE DE POPULATIONS D' HERBIVORES.
BROUGHTON E : WILDLIFE STUDIES: HEALTH STATUS OF POPULATIONS AND INVESTIGATION OF DISEASE OUTBREAKS. CHEMICAL RESTRAINT OF WILDLIFE. DEVELOPMENT OF GUIDELINES FOR TRANSPORTATION OF WILDLIFE. ASSESSMENT OF FACILITIES.
COTE R : ETUDES DE LA TOXICITE DES REJETS-INDUSTRIELS SUR L' ECOPHYSIOLOGIE DES POPULATIONS PLANCTONIQUES (PHYTOPLANCTON ET ZOOPLANCTON).
DERMOTT RM : ENVIRONMENTAL-ASSESSMENT OF LAKE & STREAM INVERTEBRATE POPULATIONS. TAXONOMY OF LAKE BENTHIC INVERTEBRATES. FEEDING & GROWTH RATES.
GREEN JE : ENVIRONMENTAL CONSULTING FIRM SPECIALIZING IN APPLIED RESEARCH INVOLVING WILDLIFE POPULATIONS AND WILDLIFE HABITAT. AREAS OF EXPERTISE INCLUDE VEGETATION AND HABITAT ASSESSMENTS, HABITAT EVALUATION MODELLING, BIOLOGICAL MONITORING, BEHAVIOURAL AND DISTURBANCE STUDIES OF WILDLIFE, RECLAMATION PLANNING, WILDLIFE HABITAT ENHANCEMENT AND RECLAMATION, AND PROTECTION PLANNING.
HARDY Y : PROTECTION DES FORETS CONTRE LES INSECTES ET LES MALADIES; EPIDEMIOLOGIE ET LES MOUVEMENTS DES POPULATIONS D'INSECTES AINSI QUE L'ETUDE DES CHAMPIGNONS-PATHOGENES. LA CULTURE DE SEMIS EN CONTENEURS, LA SYLVICULTURE DES RESINEUX ET DES FEUILLUES, LA TELEDETECTION, LA GENETIQUE.
KELSO JRM : EFFECTS OF ATMOSPHERIC-DEPOSITION ON FISHERIES-RESOURCES EFFECTS OF CONTAMINANTS ON FISH POPULATIONS (BODY BURDENS, BEHAVIOUR).
KINGSBURY PD : ENVIRONMENTAL-IMPACT OF FORESTRY PESTICIDES IN TERMS OF EFFECTS ON FISH, AQUATIC INVERTEBRATE, SONGBIRD AND TERRESTRIAL INVERTEBRATE POPULATIONS AND THEIR ECOLOGICAL RELATIONSHIPS.
LALANCETTE LM : DYNAMIQUE DES POPULATIONS DE POISSONS ET ETUDE DE FACTEURS ECOLOGIQUES.
MARGOLIS L : DISEASES AND PARASITES OF FISHES. PARASITES OF MARINE MAMMALS AND INVERTEBRATES. EFFECTS OF ENVIRONMENTAL ALTERATION ON PARASITES AND DISEASES OF AQUATIC ANIMALS. PARASITES AS BIOLOGICAL TAGS FOR FISH POPULATIONS.
NETTLESHIP DN : HEAD LONG-TERM RESEARCH PROGRAM ON REPRODUCTIVE AND PELAGIC-ECOLOGY OF SEABIRD POPULATIONS IN NORTH-WEST ATLANTIC, PARTICULARLY ATLANTIC CANADA AND EASTERN CANADIAN ARCTIC. PUBLICATIONS INCLUDE: "ATLAS OF EASTERN CANADIAN SEABIRDS", "ECOLOGICAL SITES IN NORTHERN CANADA", "CONSERVATION OF MARINE BIRDS OF NORTHERN NORTH-AMERICA", AND "THE THICK-BILLED MURRES OF PRINCE-LEOPOLD ISLAND; BREEDING ECOLOGY OF A COLONIAL HIGH ARCTIC SEABIRD."
SWANSON SM : RADIONUCLIDE ACCUMULATION IN THE AQUATIC AND TERRESTRIAL FOOD-CHAIN; EFFECTS OF LOW LEVEL RADIATION ON FISH POPULATIONS; SECONDARY PRODUCTIVITY IN AQUATIC-ECOSYSTEMS; AQUATIC BIOLOGY.
TURNOCK WJ : POPULATION-DYNAMICS OF INSECTS. NATURAL & BIOLOGICAL CONTROL OF INSECTS. COLD-HARDINESS & OVERWINTERING OF INSECTS. SAMPLING INSECT POPULATIONS.
UTHE JF : STUDY OF METHODS OF MEASUREMENT OF CHEMICAL CONTAMINANTS IN FISH POPULATIONS AND DETECTION OF TREND IN CONTAMINANT LEVELS OVER TIME. INVESTIGATION OF SITUATIONS WHERE CONTAMINANTS IN FISH PRODUCTS MAY POSE A CONSUMER CONCERN.
ZAMMUTO RM : RELATIONSHIPS AMONG VARYING ENVIRONMENTAL CONDITIONS AND LIFE-HISTORIES OF BIRD AND MAMMAL POPULATIONS IN MONTANE OR BOREAL AREAS. TERRESTRIAL-ECOLOGY, ZOOLOGY, SURVIVAL, WILDLIFE, NON-GAME, REPRODUCTION, ORNITHOLOGY, WEATHER, BIOMETEOROLOGY, BIOMETRICS, BOREAL, CLIMATE, CONSERVATION, METEOROLOGY, MAMMAL POPULATION.

PORC

BOUCHARD R : CARTOGRAPHIE DES PARAMETRES ENVIRONNEMENTAUX DE L' ELEVAGE DU PORC A PARTIR D'UN SYSTEME D' INFORMATION A REFERENCE SPATIALE. CLASSIFICATION GENETIQUE DES CLIMATS DU SAGUENAY, LAC-ST-JEAN. L' AGRICULTURE A SAINTE-CATHERINE DE PORTNEUF: POLLUTANT DES SOURCES D' EAU-POTABLE. LES DEPOTOIRS DE NEIGE USEE DE CHICOUTIMI.

PORCINE-FAT

KURYS JG : TOXICOLOGICAL EVALUATION OF VOLATILE CHEMICALS IN AMBIENT AIR FOR EFFECTS USING HUMAN FAT & MILK; BOVINE-FAT & MILK; PORCINE-FAT & AVIAN SPECIES FOR RESIDUE ANALYSIS; RAW MILK; RAW & TREATED WATER; SOIL & VEGETABLES. SECOND PART OF RESEARCH CARRIED OUT ON METABOLIC PROCESSES AND THEIR MODE OF ACTION.

POROSITY

GALE JE : GROUNDWATER FLOW SYSTEMS IN FRACTURED AND FRACTURED POROUS MEDIA BASED ON FIELD AND NUMERICAL MODELLING STUDIES. PROJECTS INCLUDE (A) DEWATERING IN FRACTURED ROCK MASSES; (B) HYDROGEOLOGY OF FRACTURED ROCKS AS APPLIED TO MINERAL EXPLORATION AND TOXIC-WASTE DISPOSAL; (C) MEASURED VERSUS COMPUTED FRACTURE POROSITY, AND (D) CHARACTERIZING THE GEOMETRY AND MECHANICAL PROPERTIES OF FRACTURE SYSTEMS.

SIMPSON F : POROSITY PERMEABILITY VARIATION IS RELATED TO LITHOLOGIC ASSOCIATIONS AND SEDIMENTARY STRUCTURE IN SEARCH RATIONALES, APPLIED TO RESERVOIR DEVELOPMENT IN EXPLOITATION OF HYDROCARBONS AND DEEP-WELL DISPOSAL OF FLUID, INDUSTRIAL-WASTES.

PORTS

MARSAN A : IMPACT-ASSESSMENT, RISK-ANALYSIS, RESOURCE INVENTORIES AND SITE ROUTE SELECTION STUDIES FOR INDUSTRIES, PORTS, TRANSMISSION LINES ETC. DESIGNED & IMPLEMENTED DECONTAMINATION WASTE & WATER-TREATMENT PROJECTS.

POTABLE-WATER

DART FJ : POTABLE-WATER: CONTROL OF EXCESS INORGANICS PARTICULARLY BY SEQUESTRATION TECHNIQUES; CHEMICAL-ANALYSIS INTERPRETATION; CORROSION, FOULING AND CONTAMINANT SOURCE ASSESSMENTS; PURIFICATION ALTERNATIVES; CHEMISTRY ASSESSMENTS OF WASTEWATER, INDUSTRIAL-WASTES AND LANDFILL.

DUTKA BJ : MICROBIAL METHODOLOGY, MICROBIAL TOXICITY SCREENING TESTS, LEGIONELLA IN WATER, COLIPHAGE ENUMERATION, WATER-QUALITY ESTIMATION, BACTERIAL POLLUTION OF WATERS, MICROBIAL POPULATION ESTIMATES; WATER, POTABLE-WATER, SEDIMENT WATER QUALITY STANDARDS.

POTASH

REID KW : MANAGEMENT, BEHAVIOUR & ENVIRONMENTAL-IMPACT OF POTASH MINING WASTES. MEASUREMENT & CONTROL OF THE WORK ENVIRONMENT IN POTASH MINING.

POTATO

HADZIYEV D : OILSEED TECHNOLOGY & CEREAL SCIENCE, FRUIT & VEGETABLE PROCESSING; USE OF YAM & OTHER STARCHES IN BREADMAKING; POTATO PROCESSING: CHEMISTRY & BIOCHEMISTRY ASPECTS (PRESERVATION) OF VITAMINS, FLAVORING CONSTITUENTS, TAILORING OF OIL UPTAKE, STICKINESS IN DEHYDRATED MASHED POTATOES). CEREALS EXTENSION.

POULTRY

AKHIAR H : SYNTHESIS, METABOLISM OF PESTICIDES (ORGANOPHOSPHATES, SYNTHETIC PYRETHROIDS) IN POULTRY AND FARM ANIMALS. DEVELOPMENT OF ANALYTICAL TECHNIQUES FOR DETERMINATION OF TRACES OF PESTICIDES AND METABOLITES IN MILK, URINE, FECES, EGGS AND TISSUES.

TODD ECD : FOOD BORNE DISEASE REPORTING & INVESTIGATION, COSTS OF FOOD BORNE DISEASE; SIGNIFICANCE OF TEMPERATURE FOR MICROBIAL GROWTH. PUBLIC HEALTH ASPECTS OF POULTRY PROCESSING, BARBECUED CHICKENS, CHEESE, CREAM PIES AND DONAIRS.

TRENHOLM HL : TOXICOLOGY OF MYCOTOXINS IN ANIMAL FEEDS FOR LIVESTOCK AND POULTRY. METABOLISM OF MYCOTOXINS. DETOXIFICATION OF NATURAL CONTAMINANTS & TOXIC RESIDUES IN ANIMAL PRODUCTS.

POVERTY

POVERTY

DWIVEDI OP : ENVIRONMENTAL POLICY PLANNING AND MANAGEMENT, ENVIRONMENTAL-LEGISLATION, ACCOUNTABLE ENVIRONMENTAL-MANAGEMENT, INTERGOVERNMENTAL AND INTERNATIONAL ENVIRONMENTAL RELATIONS, NORTH-SOUTH ENVIRONMENTAL RELATIONS, AND ENVIRONMENTAL ADMINISTRATION. ENVIRONMENTAL MENTAL ETHICS. POVERTY AND POLLUTION. RELIGIOUS IMPERATIVES TO ENVIRONMENTAL CRISIS.

POWER

DOMIER KW : RESEARCH IN THE VARIOUS AREAS OF AGRICULTURAL ENGINEERING; POWER AND MACHINERY, STRUCTURES AND ENVIRONMENT, SOIL AND WATER.
DRAPER DW : MANAGEMENT OF SCIENTIFIC INVESTIGATIONS AND POLLUTION-CONTROL TECHNOLOGY EVALUATION PROGRAMS FOR FOSSIL-FUELLED AND NUCLEAR POWER, AND OIL AND GAS PRODUCTION AND PROCESSING. DEVELOPMENT AND CONDUCT OF ENVIRONMENTAL-PROGRAMS FOR NEW ENERGY TECHNOLOGIES.
FRIEDRICH FD : PILOT SCALE RESEARCH & FULL SCALE DEMONSTRATION ON ATMOSPHERIC FLUIDIZED BED COMBUSTION TO UTILIZE HIGH ASH, HIGH SULPHUR FUELS (COAL, REFINING RESIDUES) FOR INDUSTRIAL STEAM OR THERMAL POWER.
HANSEN KJ : WASTE-MANAGEMENT RELATED TO FLUE-GAS DESULPHURIZATION AND AIR-POLLUTION FROM COAL FIRE THERMAL ELECTRICAL POWER STATIONS.
HUGHES FP : USE OF BIOMASS, PARTICULARLY WOOD-FIRED DUAL-PURPOSE POWER STATIONS USING WASTE HEAT FOR DISTRICT HEATING. WIND AS A POWER SOURCE.
KRISHNAPPA G : MEASUREMENT OF SOUND POWER & SOUND INTENSITY OF MACHINERY NOISE SOURCE. RESEARCH IS RELATED TO USING SOUND INTENSITY MEASUREMENTS IN MACHINERY NOISE MEASUREMENTS.
LAST AJ : SPECIAL PROCESS ENERGY APPLICATIONS AND RESEARCH SUCH AS HIGH POWER ULTRASOUND, MICROWAVE, ULTRAVIOLET AND INFRA-RED LIGHT; EMULSIONS, EMULSIFICATION PROCESSES AND EMULSIFIERS; ALSO LIQUID FLOW PROCESSING; IRON ORE BENEFICIATION AND DIRECT REDUCTION OF IRON ORE; POWDER METALLURGY; COMBUSTION AND FUELS IN METALLURGICAL PROCESSING; GASIFICATION AND LIQUEFACTION OF COALS AND BOTH FERROUS AND NON-FERROUS PYROMETALLURGY.
PROKOPUK R : FOSSIL FUELS FOR HEATING. POWER GENERATION AND PROCESS APPLICATIONS: ENVIRONMENTAL-ASSESSMENT: AIR, WATER AND SOIL POLLUTION FROM STATIONARY AND MOBILE SOURCES; ANALYTICAL LABORATORY TECHNIQUES.

PRAIRIE

KENNEY BC : PHYSICAL LIMNOLOGY OF PRAIRIE LAKES INCLUDING ASPECTS OF AIR & WATER INTERACTION, MIXING AND TURBULENCE, SEDIMENT RESUSPENSION AND LARGE SCALE LAKE CIRCULATION. EUTROPHICATION AND PHOSPHORUS DYNAMICS MODELS. WATER CIRCULATION UNDER WINTER ICE.
RAJU MVS : RESEARCH INTERESTS HAVE BEEN THE STUDIES ON VARIOUS ASPECTS OF ANATOMY AND MORPHOLOGY OF VASCULAR PLANTS OF THE PRAIRIES. MORPHOLOGICAL STUDIES INCLUDE LIFE-HISTORIES OF PLANTS, ESPECIALLY OF SOME SELECTED PRAIRIE WEED SPECIES, SUCH AS LEAFY-SPURGE (EUPHORBIA-ESULA-L.). WILD OATS (AVENA-FATUA-L.), ETC.
TONES PI : SURFACE WATER-QUALITY OF PRAIRIE RIVERS & RESERVOIRS; IMPACT OF MINING ESPECIALLY URANIUM MINING ON AQUATIC SYSTEMS; DEVELOPMENT OF WATER-QUALITY OBJECTIVES.

PRAIRIES

MCKENZIE RIH : WHEAT BREEDING. GENETICS. THE DEVELOPMENT OF BETTER AND MORE DISEASE RESISTANT WHEAT FOR THE EASTERN CANADIAN PRAIRIES.
RAJU MVS : RESEARCH INTERESTS HAVE BEEN THE STUDIES ON VARIOUS ASPECTS OF ANATOMY AND MORPHOLOGY OF VASCULAR PLANTS OF THE PRAIRIES. MORPHOLOGICAL STUDIES INCLUDE LIFE-HISTORIES OF PLANTS, ESPECIALLY OF SOME SELECTED PRAIRIE WEED SPECIES, SUCH AS LEAFY-SPURGE (EUPHORBIA-ESULA-L.). WILD OATS (AVENA-FATUA-L.), ETC.
WALLACE KW : AMBIANT & STACK MONITORING. AGRICULTURAL SPRAY DRIFT & EXPOSURE WORK ON THE CANADIAN PRAIRIES.

PRECIPITATION

BARRIE LA : ATMOSPHERIC CYCLE OF TRACE CONSTITUENTS. STUDY OF ACID-RAIN PHENOMENA ON A REGIONAL SCALE & ARCTIC AIR POLLUTION ON AN HEMISPHERIC SCALE. COMPUTER MODEL OF ARCTIC AIR-POLLUTION USED TO INVESTIGATE COMPLEX INTERACTIONS OF TRANSPORT, TRANSFORMATION & REMOVAL. ROUTINE AEROSOL SCIENCE MEASUREMENTS ARE MADE IN THE CANADIAN ARCTIC. RELATIONSHIP BETWEEN AIR & PRECIPITATION TRACE ELEMENTAL COMPOSITION & POLLUTANT ORIGIN UNDER INVESTIGATION.
CHISHOLM AJ : MANAGEMENT OF RESEARCH IN STRATOSPHERIC POLLUTION, OZONE MONITORING, SOLAR ENERGY, WEATHER RADAR, CLOUD PRECIPITATION PHYSICS, CLOUD CHEMISTRY & ACID-FOG. HEAD, CANADIAN DELEGATION NEGOTIATING THE VIENNA CONVENTION FOR THE PROTECTION OF THE OZONE LAYER.
DRAKE JJ : SPATIAL AND TEMPORAL VARIATIONS OF METAL PRECIPITATION IN URBAN AREAS VARIABILITY OF HYDROLOGIC RECORDS ENVIRONMENTAL-IMPACT OF NORTHERN MINING KARST HYDROCHEMISTRY.

PRECIPITATION

DUNCAN CE : AIR-QUALITY & PRECIPITATION QUALITY MONITORING, ACID-RAIN MATHEMATICAL-MODELLING, METEOROLOGY, CONTROL & PROCESS TECHNOLOGY, HAZARDOUS CONTAMINANTS, STANDARD SETTING & REGULATION, SOURCE ASSESSMENT & MEASUREMENTS, VEHICLE EMISSIONS, SOILS & VEGETATION ASSESSMENT, PLANT PATHOLOGY EMERGENCY RESPONSE.
FORTIN JP : HYDROLOGIE; HYDROMETEOROLOGIE; PRECIPITATION; PLUIE; NEIGE; RUISSELLEMENT; DEBIT; ECOULEMENT; PHYSIOGRAPHIE; RIVIERE; BASSIN VERSANT; CRUE; INONDATION; TELEDETECTION EAU; SATELLITE EAU; INTEGRATION DES DONNEES; STATISTIQUE HYDROLOGIE; GESTION-EAU; PLANIFICATION-EAU; PREVISION EAU; DECISION EAU; PROTECTION EAU; CONTROLE-EAU; MODELE HYDROLOGIQUE; CEQUEAU MODELE; MODELE DETERMINISTE MAILLE-CARREAU; MODELE D AJUSTEMENT; PREVISION HYDROLOGIQUE; PREVISION ECOULEMENT; PREVISION TEMPS REEL; RESEAU HYDROLOGIQUE; PLUVIOMETRE; RADAR HYDROLOGIE; STATION-PLUVIOMETRIQUE; RESEAU RADAR METEOROLOGIE; PRECIPITATIONS-ACIDES; POLLUANTS-ATMOSPHERIQUES; TRANSPORT-A-LONGUE-DISTANCE; MODELE STATISTIQUE; DIFFUSION UNIDIMENSIONNEL; ANISOTROPIE-SPATIALE.
MAHENDRAPPA MK : SOIL-CHEMISTRY AND MICROBIOLOGY AS RELATED TO ACID-RAIN AND NUTRIENT-CYCLING IN FOREST-ECOSYSTEMS. CHEMISTRY OF PRECIPITATION AND ITS INFLUENCE ON THE CHEMICAL AND BIOCHEMICAL PROCESSES ON TREES AND SOIL. IMPROVEMENT OF THE USE OF WATER AND FERTILIZERS IN TREE NURSERIES.
SALTER RS : STUDY OF MINE AND MILL EFFLUENT TAILINGS, SLURRIES AND WATERS. CYANIDE DESTRUCTION, HEAVY-METALS PRECIPITATION, SUSPENDED-SOLIDS REMOVAL.
SANDERSON ME : CLIMATOLOGY OF THE GREAT-LAKES BASIN. WATER BALANCE OF GREAT-LAKES. PRECIPITATION: QUANTITY AND QUALITY. (PRECIPITATION CHEMISTRY).
VILLARD S : LONG-RANGE-TRANSPORT-OF-AIR-POLLUTION. METHODOLOGIES FOR ANALYSIS OF PRECIPITATION & AIR. METHOD DEVELOPMENT FOR ANALYSIS OF WATER, AIR, SOILS, BIOTA.

PRECIPITATIONS-ACIDES

AUCLAIR JC : HYDROBIOLOGIE; ECOLOGIE-AQUATIQUE; ECOSYSTEME AQUATIQUE; EUTROPHISATION; POLLUTION-EAU; LIMNOLOGIE; LAC ACIDIFICATION; PRECIPITATIONS-ACIDES LAC; ALGUE PLANCTON; PHYTOPLANCTON; CHLOROPHYLLE; OXYGENE DISSIUS; MATIERE ORGANIQUE; PHOSPHATE; PHOSPHORE.
DELISLE CE : PRECIPITATIONS-ACIDES. METAUX-LOURDS: MERCURE, CADMIUM, ZINC, CUIVRE. ETUDES D' IMPACT-ENVIRONNEMENTAL.
FORTIN JP : HYDROLOGIE; HYDROMETEOROLOGIE; PRECIPITATION; PLUIE; NEIGE; RUISSELLEMENT; DEBIT; ECOULEMENT; PHYSIOGRAPHIE; RIVIERE; BASSIN VERSANT; CRUE; INONDATION; TELEDETECTION EAU; SATELLITE EAU; INTEGRATION DES DONNEES; STATISTIQUE HYDROLOGIE; GESTION-EAU; PLANIFICATION-EAU; PREVISION EAU; DECISION EAU; PROTECTION EAU; CONTROLE-EAU; MODELE HYDROLOGIQUE; CEQUEAU MODELE; MODELE DETERMINISTE MAILLE-CARREAU; MODELE D AJUSTEMENT; PREVISION HYDROLOGIQUE; PREVISION ECOULEMENT; PREVISION TEMPS REEL; RESEAU HYDROLOGIQUE; PLUVIOMETRE; RADAR HYDROLOGIE; STATION-PLUVIOMETRIQUE; RESEAU RADAR METEOROLOGIE; PRECIPITATIONS-ACIDES; POLLUANTS-ATMOSPHERIQUES; TRANSPORT-A-LONGUE-DISTANCE; MODELE STATISTIQUE; DIFFUSION UNIDIMENSIONNEL; ANISOTROPIE-SPATIALE.
GOBEIL L : CENTRE D'INFORMATION, DE REFERENCE ET DE DOCUMENTATION SUR LES PRECIPITATIONS-ACIDES. PRODUCTION DE LA BANQUE-BIBLIOGRAPHIQUE AUTOMATISEE ACIDOC ACCESSIBLE VIA 1ST INFORMATEQUE INC ET LOGICIEL QUESTEL PLUS. PUBLICATION DE PROPOS ACIDES, BULLETIN TRIMESTRIEL D'INFORMATION.
LAPOINTE L : COORDINATION TECHNIQUE DU DOSSIER DES PRECIPITATIONS-ACIDES; MAINTIEN ET MISE A JOUR DE LA BANQUE-INFORMATISEE INTERNATIONALE SUR LES PRECIPITATIONS-ACIDES (ACIDOC).

PRECIPITATORS

CASTLE GSP : TECHNOLOGY OF ELECTROSTATIC PRECIPITATORS FOR AIR-POLLUTION CONTROL. PROBLEMS ASSOCIATED WITH CORONA SUPPRESSION, HIGH RESISTIVITY DUSTS & WIDE PLATE SPACING PRECIPITATORS.

PREDATION

EASTMAN DS : HABITAT RELATIONSHIPS OF WILDLIFE & THE IMPACT OF FORESTRY & OTHER RESOURCE USE ACTIVITIES ON THEM. POPULATION RELATED ASPECTS OF WILDLIFE SUCH AS PREDATION, DISEASE & COMPETITION.
MALY EJ : FACTORS AFFECTING DISTRIBUTION AND ABUNDANCE OF ZOOPLANKTON: PHYSICAL-CHEMICAL FACTORS, COMPETITION, PREDATION, BEHAVIOUR.

PREDATOR

DAVIES RW : INVESTIGATIONS OF THE ABUNDANCE AND DISTRIBUTION OF FRESHWATER BENTHIC MACROINVERTEBRATES. STUDIES ON PREDATOR AND PREY INTERACTIONS, SANGUIVORY AND THE EFFECTS OF HYPOXIA, AND ANOXIA HAVE BEEN CARRIED OUT.
HURLEY DA : ECOLOGICAL STUDIES IN EUTROPHIC WATERS; ROLE OF PREDATOR PREY INTERACTIONS IN SHAPING ECOSYSTEMS; BIOENERGETICS OF WALLEYE, YELLOW-PERCH; TRENDS IN FISH SPECIES ASSOCIATIONS OVER TIME.

PREDATORY

LE BLANC JPR : POPULATION ECOLOGY; EFFECTS OF TEMPERATURE ON THE PREDATORY PHYTOSEIID-MITES ON APPLE. SOIL ARTHROPODS SURVEY & RELATIONSHIP TO SOIL-FERTILITY. INTEGRATED PEST-MANAGEMENT PROGRAMS OF AGRICULTURAL PESTS, PRIMARILY TRAPPING & MONITORING TECHNIQUES. CURATOR OF THE ENTOMOLOGICAL COLLECTIONS.

PRESERVATION

HADZIYEV D : OILSEED TECHNOLOGY & CEREAL SCIENCE, FRUIT & VEGETABLE PROCESSING; USE OF YAM & OTHER STARCHES IN BREADMAKING; POTATO PROCESSING: CHEMISTRY & BIOCHEMISTRY ASPECTS (PRESERVATION) OF VITAMINS, FLAVORING CONSTITUENTS, TAILORING OF OIL UPTAKE, STICKINESS IN DEHYDRATED MASHED POTATOES). CEREALS EXTENSION.
KERR DC : ENVIRONMENTAL-IMPACT-ASSESSMENT ON AQUATIC & TERRESTRIAL ENVIRONMENTS; WATER-QUALITY ASSESSMENT; WETLAND PRESERVATION. WATER-QUALITY INSTREAM COMPUTER-MODELLING; HYDRODYNAMIC-MODELLING; ENVIRONMENTAL-PLANNING & RESOURCE-MANAGEMENT.
LEE PG : ECOLOGICAL RESERVES AND NATURAL AREAS PROGRAMS OF ALBERTA. SUITABLE SITES ARE SELECTED THROUGHOUT THE PROVINCE FOR RESEARCH, PRESERVATION, EDUCATIONAL AND RECREATIONAL PURPOSES. BIOPHYSICAL DATA IS GATHERED.
MELOCHE PH : FORINTEK CANADA CORP. IS A PRIVATE, NON-PROFIT RESEARCH AND DEVELOPMENT CORPORATION ACTIVELY ENGAGED IN ALL MAJOR SCIENTIFIC AND TECHNICAL DISCIPLINE RELATED TO WOOD PRODUCTS: SAWMILLING; SEASONING; MACHINING; COMPOSITE PRODUCTS; ADHESIVES; WOOD BASED ENERGY AND CHEMICALS; HOUSING MATERIALS SCIENCE; TIMBER ENGINEERING; WOOD PRESERVATION; FIRE RETARDANTS AND THE WOOD SCIENCES. ASSISTANCE AND EXPERT ADVICE ARE AVAILABLE TO FOREST PRODUCTS INDUSTRIES, GOVERNMENT AGENCIES, TRADE ASSOCIATIONS, CONSULTANTS, EQUIPMENT MANUFACTURERS, EDUCATIONAL INSTITUTIONS AND THE GENERAL PUBLIC.

PREY

BIRD DM : RESEARCH ON THE BIOLOGY OF BIRDS OF PREY (FALCONS, EAGLES, HAWKS, OWLS). RESPONSIBLE FOR MANAGEMENT OF A COLONY OF CAPTIVE FALCONS WITH WHICH RESEARCH ON TOXICOLOGY, AUTRITIEN BEHAVIOUR, ECOLOGY, PHYSIOLOGY ETC. IS CONDUCTED. ALSO FIELD STUDIES.
DAVIES RW : INVESTIGATIONS OF THE ABUNDANCE AND DISTRIBUTION OF FRESHWATER BENTHIC MACROINVERTEBRATES. STUDIES ON PREDATOR AND PREY INTERACTIONS, SANGUIVORY AND THE EFFECTS OF HYPOXIA, AND ANOXIA HAVE BEEN CARRIED OUT.
HURLEY DA : ECOLOGICAL STUDIES IN EUTROPHIC WATERS; ROLE OF PREDATOR PREY INTERACTIONS IN SHAPING ECOSYSTEMS; BIOENERGETICS OF WALLEYE, YELLOW-PERCH; TRENDS IN FISH SPECIES ASSOCIATIONS OVER TIME.

PRODUCTIVITY

ABOUGUENDIA Z : REVEGETATION STUDIES OF LAND DISTURBED BY MINING ACTIVITIES (E.G. URANIUM TAILINGS, COAL SPOILS). ECOLOGICAL BASELINE STUDIES AND ENVIRONMENTAL-IMPACT-ASSESSMENT. RANGE ECOLOGY & PRODUCTIVITY. RESPONSE OF PLANTS TO AIRBORNE POLLUTANTS.
ANDERSON HW : BIOMASS PRODUCTIVITY AND CLONAL PROPERTIES OF HYBRID POPLAR, WILLOW AND ALDER. GROWTH, QUALITY AND REGENERATION OF HIGH VALUE. HARDWOODS: SUGAR-MAPLE OR YELLOW BIRCH.
BAILEY LD : RESEARCH IN AREAS RELATING TO SOIL QUALITY AND FACTORS THAT AFFECT SOIL DEGRADATION AND LOSS OF PRODUCTIVITY; TECHNIQUES THAT WOULD INCREASE THE EFFICIENCY OF USE OF FERTILIZERS THUS REDUCING THE ABSOLUTE QUANTITIES REQUIRED.
BARICA J : LIMNOLOGY OF EUTROPHIC LAKES: NUTRIENT AND OXYGEN REGIMES, FORMATION OF ALGAL BLOOMS: CYANOPHYTA ECOLOGY, ALGAL CONTROL, PREDICTIONS OF LAKE PRODUCTIVITY; CAUSES AND REMEDIES OF MASSIVE FISH MORTALITIES (SUMMER AND WINTER FISH KILLS); NUTRIENT CONTAMINANTS INTERACTIONS; LAKE RESTORATION.
COX RM : EFFECTS OF AIR-POLLUTION ON FOREST PLANT REPRODUCTION & PRODUCTIVITY INCLUDING EFFECTS OF ACID-RAIN OR ACID-FOG & TRACE-ELEMENTS. EVALUATION TRACE-ELEMENT TOLERANCE IN NATIVE PLANTS.
CULLEY JLB : FARM WASTE-MANAGEMENT INCLUDING STORAGE & DISPOSAL. SOIL QUALITY & PRODUCTIVITY AS AFFECTED BY CROPPING PRACTICES.
GORDON AG : BIOMASS, PRODUCTIVITY, AND NUTRIENT-CYCLING OF SPRUCE FOREST-ECOSYSTEMS; THE GENETICS AND GENECOLOGY AND TREE IMPROVEMENT OF THE SPRUCE GENUS.
HECKY RE : PALEOLIMNOLOGY AND LIMNOLOGY OF AFRICAN GREAT LAKES; RESERVOIR LIMNOLOGY; PHYTOPLANKTON AND DIATOM ECOLOGY; AQUATIC PRIMARY PRODUCTIVITY; CYCLING AND BIOACCUMULATION OF MERCURY.
KIMMINS JP : ENVIRONMENTAL-IMPACT OF FOREST-MANAGEMENT. FOREST ECOSYSTEM FUNCTIONS, BIOMASS AND NUTRIENT-CYCLING, PRODUCTIVITY. COMPUTER-SIMULATION MODELLING OF LONG-TERM IMPACTS OF INTENSIVE FOREST-MANAGEMENT ON YIELD AND SITE FERTILITY - FORCYTE.
LAKSHMINARAYANA JSS : BIOLOGICAL LIMNOLOGY & OCEANOGRAPHY; POLLUTION, WATER-QUALITY, ALGAE, PHYTOPLANKTON, PRODUCTIVITY. TEACHING, SCIENTIFIC RESEARCH & DEVELOPMENT: COASTAL, MARINE & FRESHWATER ENVIRONMENT.
LECHOWICZ MJ : ECOLOGY OF PLANT PRODUCTIVITY. CONTROLS ON PLANT GROWTH AND REPRODUCTION, ESPECIALLY FOR ANNUAL WEEDS LIKE XANTHIUM-STRUMARIUM. NATURAL TREE DEFENSES AGAINST LEAF-FEEDING CATERPILLARS. CLIMATIC CONTROL OF LICHEN PRODUCTIVITY. ACID-RAIN EFFECTS ON LICHEN PRODUCTIVITY.

PRODUCTIVITY

MORRISON IK : RESEARCH INTO EFFECTS OF ACID-RAIN ON FOREST BIOGEOCHEMISTRY, ESPECIALLY EFFECTS ON FOREST PRODUCTIVITY; RESEARCH INTO SOIL CHEMICAL CHANGES EFFECTED BY ACID-RAIN ARTIFICIALLY SUPPLIED; EFFECTS OF TOXIC HEAVY-METALS ON VEGETATION GROWTH.
PETERS RH : STUDIES OF GENERAL PATTERNS IN ECOLOGY & LIMNOLOGY; ESPECIALLY ALLOMETRY & EUTROPHICATION RESEARCH. GOAL IS TO PREDICT & DESCRIBE PRODUCTIVITY, ENERGY & MATERIAL FLOW IN AQUATIC & OTHER COMMUNITIES. TREATING FILTER FEEDING BY ZOOPLANKTON & ANALYSIS OF LITERATURE DATA. CRITICAL ANALYSIS OF ECOLOGICAL CONCENTRATION.
PRAKASH A : MARINE POLLUTION, COASTAL ZONE MANAGEMENT, COASTAL AQUACULTURE, SHELLFISH, MARINE PRODUCTIVITY, RED-TIDES, SHELLFISH POISONING, ENVIRONMENTAL-QUALITY, ECOLOGY, ENVIRONMENTAL-IMPACT-ASSESSMENT MARINE PHYTOPLANKTON, TOXICITY, PHYSIOLOGY, DINOFLAGELLATES.
RENNIE PJ : PRODUCTIVITY OF TERRESTRIAL-ECOSYSTEMS, ESPECIALLY NORTHERN BOREAL-FOREST ENVIRONMENTS IN RELATION TO SOIL NUTRITIONAL-STATUS, CLIMATIC CHARACTERISTICS AND PERTURBATION-EFFECTS. PARTICULAR INTERESTS INCLUDE MINERAL CYCLING, FOREST FERTILIZATION AND AIRBORNE POLLUTANT EFFECTS ON SOILS AND VEGETATION.
RICHARDSON J : SCIENTIFIC ADVICE IN CANADIAN FORESTRY SERVICE RESEARCH IN THE FIELD OF FOREST PRODUCTIVITY, INCLUDING FOREST INVENTORY, GROWTH & YIELD, REMOTE-SENSING, THINNING, FERTILIZATION, MODELLING & IN FOREST BIOMASS PRODUCTION.
ROSS G : HERBICIDE ENVIRONMENTAL-IMPACT-ASSESSMENT. SPRUCE PLANTATION ESTABLISHMENT, GROWTH & YIELD. GENETIC TREE IMPROVEMENT. TREE NURSERIES. SILVICULTURE WORK STUDY, PRODUCTIVITY TRIALS.
RYDER RA : STUDY OF AQUATIC-ECOSYSTEMS, THEIR PRODUCTIVITY AND THEIR FISHERIES. COMMUNITY PRODUCTION AND INTERACTIONS AMONG COMMUNITY COMPONENTS IN FRESHWATER SYSTEMS. BIOTIC INDICES OF ECOSYSTEM QUALITY.
SWANSON SM : RADIONUCLIDE ACCUMULATION IN THE AQUATIC AND TERRESTRIAL FOOD-CHAIN; EFFECTS OF LOW LEVEL RADIATION ON FISH POPULATIONS; SECONDARY PRODUCTIVITY IN AQUATIC-ECOSYSTEMS; AQUATIC BIOLOGY.

PROTECTANTS

MAURER AR : EXTENSION OF THE VEGETABLE GROWING SEASON BY: SELECTION OF COLD TOLERANT CULTIVARS; OVERWINTERING OF CROPS IN THE FIELD AND USE OF CROP PROTECTANTS SUCH AS FLOATING MULCHES, PLASTIC-TUNNELS ETC.

PROTECTION

BIRD PM : RETIRED PUBLIC SERVANT, FORMERLY WITH NATIONAL RADIATION PROTECTION & ENVIRONMENT & ASSESSMENT PROGRAMS. CO-AUTHORED CANADIAN STATE OF ENVIRONMENT REPORT. REPRESENTED CANADA AT INTERNATIONAL ENVIRONMENTAL POLICY MEETINGS.
BOYD FC : SENIOR MANAGER, ADMINISTRATION TECHNICAL SUPERVISION, MULTIPLE RESOURCE USE, FISH-HABITAT PROTECTION AND MANAGEMENT. ENVIRONMENTAL-IMPACT-ASSESSMENTS; MULTIPLE USE PLANNING AND POLICY DEVELOPMENT. HABITAT INVENTORY, RESTORATION AND DEVELOPMENT PLANNING.
BUTLER GC : RADIATION PROTECTION, ECOTOXICOLOGY.
CARTY AJ : HEAVY-METAL POLLUTION IN THE ENVIRONMENT. BINDING OF HEAVY-METALS BY LIGANDS OF BIOLOGICAL SIGNIFICANCE. CHELATION-THERAPY FOR HEAVY-METALS. METHYLATION OF LEAD AND TIN IN THE ENVIRONMENT. SELENIUM PROTECTION AGAINST HEAVY-METALS.
CHISHOLM AJ : MANAGEMENT OF RESEARCH IN STRATOSPHERIC POLLUTION, OZONE MONITORING, SOLAR ENERGY, WEATHER RADAR, CLOUD PRECIPITATION PHYSICS, CLOUD CHEMISTRY & ACID-FOG. HEAD, CANADIAN DELEGATION NEGOTIATING THE VIENNA CONVENTION FOR THE PROTECTION OF THE OZONE LAYER.
DESCHENES JM : DEVELOPMENT OF CROP PLANTS VIA CONVENTIONAL & BIOTECHNOLOGICAL BREEDING TECHNIQUES. PLANT SUPPORT PROGRAMS IN STRESS PHYSIOLOGY PROTECTION, NITROGEN FIXATION & MYCOTOXINS.
FORTIN JP : HYDROLOGIE; HYDROMETEOROLOGIE; PRECIPITATION; PLUIE; NEIGE; RUISSELLEMENT; DEBIT; ECOULEMENT; PHYSIOGRAPHIE; RIVIERE; BASSIN VERSANT; CRUE; INONDATION; TELEDETECTION EAU; SATELLITE EAU; INTEGRATION DES DONNEES; STATISTIQUE HYDROLOGIE; GESTION-EAU; PLANIFICATION-EAU; PREVISION EAU; DECISION EAU; PROTECTION EAU; CONTROLE-EAU; MODELE HYDROLOGIQUE; CEQUEAU MODELE; MODELE DETERMINISTE MAILLE-CARREAU; MODELE D AJUSTEMENT; PREVISION HYDROLOGIQUE; PREVISION ECOULEMENT; PREVISION TEMPS REEL; RESEAU HYDROLOGIQUE; PLUVIOMETRE; RADAR HYDROLOGIE; STATION-PLUVIOMETRIQUE; RESEAU RADAR METEOROLOGIE; PRECIPITATIONS-ACIDES; POLLUANTS-ATMOSPHERIQUES; TRANSPORT-A-LONGUE-DISTANCE; MODELE STATISTIQUE; DIFFUSION UNIDIMENSIONNEL; ANISOTROPIE-SPATIALE.
GODBOUT C : RECHERCHES SUR LA FORET ET LES PRODUITS FORESTIERES: ECOSYSTEME FORESTIER (EVOLUTION, DESCRIPTION, REACTION AUX STRESS); REBOISEMENT ET TRAVAUX SYLVICOLES; AMELIORATION GENETIQUE DES ARBRES; TECHNIQUES DE PROTECTION; UTILISATION ET GESTION-DES-FORETS.
GREEN JE : ENVIRONMENTAL CONSULTING FIRM SPECIALIZING IN APPLIED RESEARCH INVOLVING WILDLIFE POPULATIONS AND WILDLIFE HABITAT. AREAS OF EXPERTISE INCLUDE VEGETATION AND HABITAT ASSESSMENTS, HABITAT EVALUATION MODELLING, BIOLOGICAL MONITORING, BEHAVIOURAL AND DISTURBANCE STUDIES OF WILDLIFE, RECLAMATION PLANNING, WILDLIFE HABITAT ENHANCEMENT AND RECLAMATION, AND PROTECTION PLANNING.

PROTECTION

HARDY Y : PROTECTION DES FORETS CONTRE LES INSECTES ET LES MALADIES; EPIDEMIOLOGIE ET LES MOUVEMENTS DES POPULATIONS D'INSECTES AINSI QUE L'ETUDE DES CHAMPIGNONS-PATHOGENES. LA CULTURE DE SEMIS EN CONTENEURS. LA SYLVICULTURE DES RESINEUX ET DES FEUILLUES. LA TELEDETECTION. LA GENETIQUE.
HINDS HR : IDENTIFICATION AND DISTRIBUTION OF NEW-BRUNSWICK VASCULAR PLANTS. INVENTORY & PROTECTION OF SIGNIFICANT NATURAL AREAS IN NEW-BRUNSWICK. RARE & ENDANGERED-PLANTS (VASCULAR) IN NEW-BRUNSWICK.
JOBIN LJ : DEVELOPPEMENT DE PIEGES A INSECTES ET DE RESEAUX PERMETTANT LA DETECTION ET LA SURVEILLANCE D' INSECTES INVISIBLES AUX FORETS ET A L' AGRICULTURE. PIEGES A PHEROMONES SEXUELLES ET PIEGES-LUMINEUX. ENTOMOLOGIE FORESTIERE. PROTECTION DES FORETS.
LOGAN LA : WATER-RESOURCE SYSTEMS AND ENGINEERING: STOCHASTIC HYDROLOGY. RISK AND DECISION ANALYSES. ADVICE IN SOLVING WATER-MANAGEMENT PROBLEMS OF WATER-QUALITY CONTROL AND PROTECTION.
LORBERG EF : ANALYSIS OF PROPOSED SCHEMES FOR DISPOSAL OF LIQUID-WASTE INTO DEEP FORMATIONS. WESTERN SEDIMENTARY BASIN WITH RESPECT TO CONSERVATION OF NATURAL-RESOURCES. MAINLY GROUNDWATER AND PROTECTION OF THE ENVIRONMENT.
MANNING EW : LAND-USE RESEARCH. AGRICULTURAL LAND-USE. PROTECTION OF PRIME RESOURCE LANDS. REGIONAL RESOURCE PLANNING. FOCUS ON MAN/LAND RELATIONSHIPS. BEHAVIOURAL ANALYSES OF RESOURCE-USE. LIMITS OF CARRYING CAPACITY/RESOURCE DEVELOPMENT OPPORTUNITIES.
MCKIBBEN L : ENVIRONMENTAL INVENTORY AND ANALYSIS. ENVIRONMENTAL-IMPACT PREDICTION AND MITIGATION. ENVIRONMENTAL-PLANNING AND MANAGEMENT. LAND-USE REGULATION. ENVIRONMENTALLY SENSITIVE & SIGNIFICANT AREA PROTECTION. HAZARD LAND REGULATION. TRANSPORTATION & UTILITY CORRIDOR PLANNING & MANAGEMENT.
MCNEIL L : REGROUPEMENT D'ASSOCIATIONS DE VILLEGIATEURS 600 QUI TRAVAILLENT A LA PROTECTION DE L' ENVIRONNEMENT DES LACS ET A LA PROTECTION DE LA NATURE. POLLUTION DES LACS; REGENERATION DES RIVES. GROUPE DE PRESSION EN ENVIRONNEMENT. SENSIBILISATION. EDUCATION. INFORMATION.
MORIN JR : RESEARCH RELATES TO RESOURCE DEVELOPMENT. RESOURCE CONSERVATION & THE PROTECTION OF PUBLIC SAFETY & RESOURCES FROM NATURAL HAZARDS PLANS ARE PREPARED FOR CROWN LANDS. WATERS. FORESTS. PARKS. FISH & WILDLIFE RESOURCES TO PROMOTE THEIR WISE MANAGEMENT FOR ECONOMIC & SOCIAL BENEFIT.
PRASAD R : EXPERTISE IN: PESTICIDES FOR PROTECTION AND REGENERATION OF CANADIAN FOREST; HERBICIDES FOR FOREST RENEWAL AND IN STUDYING THE FATE OF HERBICIDES IN FOREST ENVIRONMENT; HERBICIDES FOR CONTROL OF MACROPHYTES.
RUEL M : DIRECTOR-GENERAL OF ENVIRONMENTAL PROTECTION BRANCH. ARM OF REGULATORY AGENCY. CANADA OIL AND GAS LANDS ADMINISTRATION. ENSURES ADEQUATE ATTENTION IS BEING PAID TO ENVIRONMENTAL FACTORS REGARDING OIL AND GAS EXPLORATION. DEVELOPMENT AND DIRECT STUDIES TO ACHIEVE THIS GOAL.
TOKARSKY O : EVALUATION OF REGIONAL AQUIFERS IN ALBERTA. BY MAPS & CROSS SECTIONS USING EXISTING WELL & TESTHOLE DATA. DETERMINATION OF BASE OF GROUNDWATER PROTECTION. FRESHWATER. SALINE WATER BOUNDARY.
TOWNSHEND AR : COLD CLIMATE NORTHERN & RURAL ENVIRONMENTAL ENGINEERING TECHNOLOGIES FOR THE PROTECTION OF THE ENVIRONMENT & QUALITY OF LIFE; TECHNOLOGIES FOR WATER SOURCE DEVELOPMENT & TREATMENT. WATER CONSERVATION. WASTEWATER-TREATMENT & DISPOSAL. SOLID-WASTE MANAGEMENT & ENERGY-CONSERVATION.
WEAVER ME : RESEARCH AND INVESTIGATION OF EFFECTS OF ATMOSPHERIC-POLLUTION ON CULTURAL HERITAGE RESOURCES AND THE BUILT ENVIRONMENT. MASONRY. STONE. BRICK. TERRACOTTA. BRONZES. STATUARY AND ARCHAEOLOGICAL SITES AND THEIR PROTECTION.
WOOD AG : PROTECTION OF HEALTH OF EMPLOYEES IN APPLICATION OF INDUSTRIAL-HYGIENE PRINCIPLES. DEVELOPMENT OF MATERIAL SAFETY DATA SHEETS AND TOXICOLOGY SUMMARIES FOR SYNTHETIC RUBBERS. COORDINATION OF WASTE-MANAGEMENT PROGRAMS AND MONITORING OF GOVERNMENTAL REGULATIONS.

PROTEIN

FORSBERG CW : CELLULOSE & HEMICELLULOSE DIGESTION BY RUMEN BACTERIA; PROTEIN DIGESTION BY RUMEN MICROORGANISMS. ACETONE & BUTANOL PRODUCTION FROM CELLULOSIC & HEMICELLULOSIC MATERIALS BY CLOSTRIDIUM-ACETOBUTYLICUM; GENETIC MANIPULATION OF RUMEN BACTERIA.
IVARSON KC : STUDY THE TRANSFORMATION OF IRON & MANGANESE BY SOIL MICROBES; THE RELEASE OF ELEMENTS FROM MINING ORES BY MICROBES; THE PRODUCTION OF PROTEIN & ALCOHOL FROM WASTES BY MICROBES.

PROTEINES

ARNAC M : CONTAMINATION D' ORGANISMES MARINS PAR LES METAUX. BIOACCUMULATION DET DISTRIBUTION DANS LES TISSUS ET LES ORGANES. ASSOCIATION AVEC LES PROTEINES SOLUBLES.

PROTEINS

THOMPSON JAJ : BIOGEOCHEMISTRY OF HEAVY-METALS RELATED TO INDUSTRIAL SOURCES: MINES. URBAN CENTRES. CHEMISTRY OF METAL BINDING PROTEINS. CHEMISTRY OF THERMAL VENT ORGANISMS.

PUBLIC

BIRD PM : RETIRED PUBLIC SERVANT, FORMERLY WITH NATIONAL RADIATION PROTECTION & ENVIRONMENT & ASSESSMENT PROGRAMS. CO-AUTHORED CANADIAN STATE OF ENVIRONMENT REPORT. REPRESENTED CANADA AT INTERNATIONAL ENVIRONMENTAL POLICY MEETINGS.
BLAIR N : RESEARCH ASSOCIATE, PROVINCIAL CONSERVATION STRATEGY, NOVA-SCOTIA, INCLUDING PARTICIPATORY ACTION RESEARCH WITH NONGOVERNMENTAL AND GOVERNMENTAL GROUPS, PUBLIC EDUCATION. STUDIES IN FUELWOOD SUPPLY, MARKETING AND DISTRIBUTION IN NOVA-SCOTIA FORESTRY STUDIES: SOCIOLOGICAL, POLICY AND BUSINESS. PROJECT OFFICER IN TRAINING INDONESIANS IN ENVIRONMENTAL SKILLS EG. ENVIRONMENTAL-LAW, ENVIRONMENTAL-IMPACT-ASSESSMENT, ETC.
FREEMAN MMR : ENVIRONMENT & DEVELOPMENT ISSUES, ESPECIALLY RELATING TO PUBLIC ENVIRONMENTAL POLICY ANALYSIS, CONSERVATION SUSTAINABLE UTILIZATION OF RENEWABLE RESOURCES, TRADITIONAL INDIGENOUS SYSTEMS OF MANAGEMENT & CO-MANAGEMENT SYSTEMS. GEOGRAPHIC FOCUS IS NORTHERN AREAS (CANADA & ALASKA).
GOODINGS WD : USE OF QUARRIES & LINERS FOR LANDFILLS, ENERGY FROM WASTE OPPORTUNITIES; PRIVATE SECTOR FINANCING & OPERATION OF WASTE-MANAGEMENT SYSTEMS; HAZARDOUS-WASTE CLEANUP; PUBLIC PARTICIPATION PROGRAMS FOR SITING CONTROVERSIAL FACILITIES (LANDFILLS, INCINERATORS, HIGHWAYS).
GRAHAM R : MARINE CONSERVATION, PARKS & PROTECTED AREAS. VISITOR MANAGEMENT, INTERPRETATION VISITOR SERVICES, PUBLIC SAFETY, EDUCATION IN MARINE AQUATIC PARKS & COASTAL AREAS.
GRIMA AP : WATER-DEMAND ESTIMATION, PARTICULARLY URBAN & RESIDENTIAL. ENERGY-CONSERVATION POLICIES. INSTITUTIONAL INSTRUMENTS FOR ENVIRONMENTAL-QUALITY. PUBLIC INVOLVEMENT IN ENVIRONMENTAL-IMPACT-ASSESSMENT, AND CLIMATE IMPACT-ASSESSMENT.
MARSHALL DWI : ENVIRONMENTAL-PROTECTION, ENVIRONMENTAL ENGINEERING, ENVIRONMENTAL DESIGN, ENVIRONMENTAL AND SOCIAL IMPACT-ASSESSMENT, PUBLIC-PARTICIPATION, PROVISION OF TECHNICAL AND ADMINISTRATIVE ADVICE TO ENVIRONMENTAL REVIEW COMMISSIONS, CHAIRMAN OF PUBLIC REVIEW PANELS, POLICY FORMULATION, PROGRAM AND PROJECT MANAGEMENT. ARCTIC PILOT PROJECT.
MELOCHE PH : FORINTEK CANADA CORP. IS A PRIVATE, NON-PROFIT RESEARCH AND DEVELOPMENT CORPORATION ACTIVELY ENGAGED IN ALL MAJOR SCIENTIFIC AND TECHNICAL DISCIPLINE RELATED TO WOOD PRODUCTS: SAWMILLING; SEASONING; MACHINING; COMPOSITE PRODUCTS; ADHESIVES; WOOD BASED ENERGY AND CHEMICALS; HOUSING MATERIALS SCIENCE; TIMBER ENGINEERING; WOOD PRESERVATION; FIRE RETARDANTS AND THE WOOD SCIENCES. ASSISTANCE AND EXPERT ADVICE ARE AVAILABLE TO FOREST PRODUCTS INDUSTRIES, GOVERNMENT AGENCIES, TRADE ASSOCIATIONS, CONSULTANTS, EQUIPMENT MANUFACTURERS, EDUCATIONAL INSTITUTIONS AND THE GENERAL PUBLIC.
MORIN JR : RESEARCH RELATES TO RESOURCE DEVELOPMENT, RESOURCE CONSERVATION & THE PROTECTION OF PUBLIC SAFETY & RESOURCES FROM NATURAL HAZARDS PLANS ARE PREPARED FOR CROWN LANDS, WATERS, FORESTS, PARKS, FISH & WILDLIFE RESOURCES TO PROMOTE THEIR WISE MANAGEMENT FOR ECONOMIC & SOCIAL BENEFIT.
PEARSE PH : SPECIALIST IN THE ECONOMICS OF NATURAL-RESOURCES. WRITING RELATED TO GOVERNMENT POLICY ON MANAGEMENT OF RENEWABLE-RESOURCES (IN PARTICULAR, FORESTS, FISHERIES, & WATER-RESOURCES). CONSULTANT ON NATURAL-RESOURCES POLICY TO FOREIGN & CANADIAN GOVERNMENT. PROFESSOR OF FORESTRY; PROJECT LEADER: FOREST ECONOMICS & POLICY ANALYSIS PROJECT. FORMERLY: COMMISSIONER OF TWO MAJOR ROYAL COMMISSIONS OF INQUIRY ON RESOURCE POLICY (BRITISH-COLUMBIA FOREST RESOURCES & PACIFIC FISHERIES); CHAIRMAN OF PUBLIC INQUIRY ON FEDERAL WATER POLICY.
ROSEHART RG : WATER-POLLUTION CONTROL IN PULP-AND-PAPER AND MINING INDUSTRY. (COLOUR REMOVAL, TOXICITY REDUCTION AND PROCESS CHANGE). PUBLIC CONSULTATION, GOVERNMENT POLICY FORMULATION.
SEWELL WRD : REVIEW OF FACTORS APPEARING TO DETERMINE WHICH ENVIRONMENTAL ISSUES GET ON POLITICAL AGENDA. CONSIDERATION OF ROLE OF PROFESSIONALS IN ENVIRONMENTAL-MANAGEMENT, NOTABLY ENGINEERS, PUBLIC HEALTH OFFICIALS, PLANNERS, LAWYERS & ECONOMISTS.
SIFTON TE : TECHNIQUES FOR INTEGRATED RESOURCE-MANAGEMENT OF PUBLIC LANDS; ENVIRONMENTAL-IMPACT OF SPECIFIC USES OF LAND & WATER; METHODS OF REAL PROPERTY APPRAISAL.
SIMKIN D : WILDLIFE ADMINISTRATION, POLICY AND PROGRAM DEVELOPMENT, RESEARCH AND TECHNOLOGY TRANSFER, LEGISLATION, ENFORCEMENT, USER TRAINING (FIREARM SAFETY, HUMANE-TRAP DEVELOPMENT, TEACHING, NATURALIST TRAINING), ORGANIZATIONAL STRATEGIES, COMMUNICATION WITH PUBLIC.
SIMPSON KJ : HAZARDOUS-WASTE MANAGEMENT: SITE SELECTION, PUBLIC PARTICIPATION, NEEDS STUDIES, FEASIBILITY STUDIES, TECHNOLOGY ASSESSMENT, SITE DEVELOPMENT, LEGISLATION. SOLID-WASTE MANAGEMENT, RECYCLING, INCINERATION, LANDFILLS, WASTE-DISPOSAL.
STOKES DW : PUBLIC ATTITUDES TOWARD ENVIRONMENT. PUBLIC EDUCATION. RISK-MANAGEMENT. ENVIRONMENTAL EMERGENCIES. PUBLIC-PARTICIPATION.
TAYLOR MC : FORMULATING GUIDELINES RE WATER-QUALITY OBJECTIVE FOR INLAND WATERS FOR: AQUATIC AND WILDLIFE; RAW PUBLIC WATER-SUPPLIES; AGRICULTURE-IRRIGATION; LIVESTOCK WATERING; RECREATION; INDUSTRY.
TIMS AJS : ACID-PRECIPITATION MONITORING; PROVINCIAL NETWORK DATA. OZONE MONITORING USING BIOMONITORS. LICHEN & MOSS BIOASSIMILATION OF TRACE-METALS & POLLUTANTS. RESPONSE TO PUBLIC COMPLAINTS OF AIR-POLLUTION INJURY TO VEGETATION.
TODD ECD : FOOD BORNE DISEASE REPORTING & INVESTIGATION, COSTS OF FOOD BORNE DISEASE; SIGNIFICANCE OF TEMPERATURE FOR MICROBIAL GROWTH. PUBLIC HEALTH ASPECTS OF POULTRY PROCESSING, BARBECUED CHICKENS, CHEESE, CREAM PIES AND DONAIRS.
WHITTAM RF : ENVIRONMENTAL AWARENESS PROGRAMS FOR THE GENERAL PUBLIC AND FOR SCHOOLS; PLANNING WILDLIFE INTERPRETATION PROGRAMS, DESIGNING WILDLIFE ORIENTED DISPLAYS AND BROCHURES. MINOR RESEARCH PROJECTS IN FIELD BIOLOGY AND ECOLOGY.

PUBLIC

WRIGHT DS : ENVIRONMENTAL-ASSESSMENT AND IMPACT EVALUATION. PRIVATE-SECTOR EXPERIENCE IN APPLICATION OF ENVIRONMENTAL-ASSESSMENT METHODS TO LARGE-SCALE ENERGY PROJECTS, AND PUBLIC SECTOR EXPERIENCE IN DEVELOPMENT OF ENVIRONMENTAL-ASSESSMENT AND REVIEW PROCEDURES FOR CANADIAN AND INTERNATIONAL AID PROJECTS. EXPERIENCE IN POLICY FORMULATION, PLANNING AND ISSUE MANAGEMENT.

PUBLIC-AWARENESS

GREAT LAKES INSTITUTE : ONLY UNIVERSITY-BASED AGENCY IN CANADA DEVOTED TO GREAT-LAKES STUDIES. SOLVES ENVIRONMENTAL PROBLEM IN THE LAKES' ECOSYSTEM. INCREASES PUBLIC-AWARENESS OF ENVIRONMENTAL ISSUES IN THE GREAT-LAKES BASIN. HAS EXPERTISE OF THIRTY PHYSICAL AND SOCIAL SCIENTISTS.

POLLETT FC : EXECUTIVE DIRECTOR OF INSTITUTE WHICH UNDERTAKES RESEARCH IN FOREST FIRE AND REMOTE-SENSING, FOREST STATISTICS AND SYSTEMS ANALYSIS, INTENSIVE FOREST-MANAGEMENT AND PUBLIC-AWARENESS PROGRAMS.

SASKATCHEWAN FORESTRY ASSOCIATION : THE SASKATCHEWAN FORESTRY ASSOCIATION IS A (REGISTERED) CANADIAN CHARITABLE ORGANIZATION DEDICATED TO THE WISE USE OF OUR FOREST-RESOURCE. WITH ITS SISTER FORESTRY ASSOCIATIONS, IT SEEKS TO PROMOTE PUBLIC-AWARENESS AND STIMULATE INTEREST IN OUR FORESTS, AND INTER-DEPENDENT RESOURCES.

PUBLIC-HEALTH

ROZEE KR : ENVIRONMENTAL CHEMICAL ENHANCERS OF VIRUS INFECTIONS PUBLIC-HEALTH AND ENVIRONMENTAL CHEMICALS. EPIDEMIOLOGY OF VIRUS INFECTIONS IN NORTHERN CLIMATES.

SHARP DS : ENVIRONMENTAL-HEALTH MANAGEMENT, PUBLIC-HEALTH EXPERIENCE IN DEVELOPING AND MONITORING WATER-SUPPLY AND SANITATION RESEARCH PROPOSALS. THE TOPICS COVERED ARE: TECHNOLOGY DEVELOPMENT, SOCIAL AND MANAGEMENT STUDIES, HEALTH IMPACT STUDIES, WASTE-REUSE RESEARCH, AND MANPOWER DEVELOPMENT PROJECTS.

PUBLIC-PARTICIPATION

EEDY W : DESIGN, MANAGEMENT AND COSTING OF MULTIDISCIPLINARY ENVIRONMENTAL-IMPACT STUDIES, MITIGATION OR CONTINGENCY-PLANNING TERRESTRIAL-ECOLOGY SURVEYS, HAZARDOUS-WASTE MANAGEMENT, RESOURCE ECONOMICS, END-USE PLANNING, AND PUBLIC-PARTICIPATION PROGRAMS.

MARSHALL DWI : ENVIRONMENTAL-PROTECTION, ENVIRONMENTAL ENGINEERING, ENVIRONMENTAL DESIGN, ENVIRONMENTAL AND SOCIAL IMPACT-ASSESSMENT, PUBLIC-PARTICIPATION, PROVISION OF TECHNICAL AND ADMINISTRATIVE ADVICE TO ENVIRONMENTAL REVIEW COMMISSIONS, CHAIRMAN OF PUBLIC REVIEW PANELS, POLICY FORMULATION, PROGRAM AND PROJECT MANAGEMENT. ARCTIC PILOT PROJECT.

STOKES DW : PUBLIC ATTITUDES TOWARD ENVIRONMENT. PUBLIC EDUCATION. RISK-MANAGEMENT. ENVIRONMENTAL EMERGENCIES. PUBLIC-PARTICIPATION.

PULP

BANAS WP : AQUATIC TOXICOLOGY & CHEMICAL FATE INVESTIGATIONS. TOXICITY TESTING OF INDUSTRIAL EFFLUENTS (PULP & PAPER, MINING, STEEL MANUFACTURING). DEVELOPMENT OF A WATER-QUALITY AQUATIC ENVIRONMENT. TOXICITY OBJECTIVE REGARDING ALUMINUM IN THE EVALUATIONS OF PESTICIDES (ORGANOCHLORINE & ORGANOPHOSPHATE) & HEAVY-METALS USING RAINBOW-TROUT IN FLOW THROUGH & STATIC BIOASSAYS.

BARKER DJ : PRACTICAL APPLICATIONS OF ECOLOGICAL CLASSIFICATION. SILVICULTURE PLANNING AND IMPLEMENTATION, INCLUDING REFORESTATION, STAND-TENDING AND REHABILITATION. WOOD RELATED INVENTORIES: BIOMASS; SAWN AND PULP PRODUCTS; FUELWOOD. FOREST-MANAGEMENT PLANNING; TIMBER YIELD ANALYSIS BY COMPUTER.

HOCKING MB : STUDY OF EFFLUENTS FROM BLEACHING OF WOOD PULP; ENVIRONMENTAL-MONITORING; CHEMICAL PROCESS EMISSION CHARACTERISTICS & THEIR CONTROL.

PATEL GB : ISOLATION, CHARACTERIZATION & STUDY OF THE PHYSIOLOGY OF OBLIGATE-ANAEROBES INVOLVED IN THE BREAKDOWN OF COMPLEX ORGANIC MATTER PRESENT IN ANAEROBIC ECOSYSTEMS (CELLULOLYTIC, SACCHARDLYTIC, METHANOGENIC-BACTERIA). SEWAGE TREATMENT; PULP & PAPER.

PINSONNAULT J : AIR-POLLUTION MONITORING & CONTROL MOSTLY IN THE AREAS OF SULPHUR-DIOXIDE REDUCED SULPHUR COMPOUNDS & PARTICULATE FROM PULP & PAPER MILLS.

SHARIFF AJ : MONITOR TRACE LEVELS OF LOW MOLECULAR WEIGHT ORGANIC-COMPOUNDS IN INDUSTRIAL WASTEWATERS & RECEIVING MEDIA BY APPLICATION & MODERN ANALYTICAL TECHNIQUES. SPECIALIZATION IN ENVIRONMENTAL IMPACT OF PULP & PAPER MILL EFFLUENTS.

SHAWKI SM : SPECIALTY CHEMICALS & CHEMICAL SERVICES FOR WATER CLARIFICATION & POLLUTION-CONTROL FOR MUNICIPALITIES & INDUSTRIES SUCH AS MINING, PULP & PAPER, AUTOMOTIVE, METAL INDUSTRIES & OIL FIELD SERVICES.

PULP-AND-PAPER

AUDY E : ENVIRONMENTAL-IMPACT OF PULP-AND-PAPER EFFLUENTS. PROBLEMS RELATED TO THE LOCALIZATION & OPERATION OF LANDFILL SITES.
BETTS JL : PULP-AND-PAPER EFFLUENT TOXICITY. PULP-AND-PAPER POLLUTION ABATEMENT TECHNOLOGY.
CHAI CY : PULP-AND-PAPER MILL INPLANT CONTROL, PRIMARY & SECONDARY TREATMENT SYSTEM.
MCLEAN R : PULP-AND-PAPER INDUSTRY. ACID-PRECIPITATION. TRACE-METALS.
ROSEHART RG : WATER-POLLUTION CONTROL IN PULP-AND-PAPER AND MINING INDUSTRY. (COLOUR REMOVAL, TOXICITY REDUCTION AND PROCESS CHANGE). PUBLIC CONSULTATION, GOVERNMENT POLICY FORMULATION.
WILSON MA : MANAGES RESEARCH AND DEVELOPMENT PROJECTS ON POLLUTION-CONTROL TECHNOLOGY; SPECIFICALLY IN WATER AND WASTEWATER-TREATMENT, WASTE-MANAGEMENT AND ATMOSPHERIC EMISSION CONTROL. AREAS OF WORK INCLUDE PULP-AND-PAPER, SOUR-GAS AND HAZARDOUS-WASTE DISPOSAL.

PULP-MILLS

GOYETTE DE : MARINE ENVIRONMENTAL-IMPACT-ASSESSMENT AND POLLUTION-CONTROL; INDUSTRIAL AND MUNICIPAL DISCHARGES, PACIFIC COAST. SPECIFIC STUDIES ON THE PHYSICAL, CHEMICAL AND BIOLOGICAL IMPACTS OF MINE-TAILINGS AND EFFLUENTS FROM PULP-MILLS; TISSUE TRACE-METALS; MONITORING AND REGULATION COMPLIANCE; ENVIRONMENTAL-IMPACT-ASSESSMENT; PORT & HARBOURS; BIOLOGICAL EFFECTS OF ORGANIC CONTAMINANTS AND URBAN WASTES.
RYAN RG : EXPERIENCE IN THE START-UP AND OPERATION OF BIOLOGICAL TREATMENT SYSTEMS FOR EFFLUENT FROM BLEACHED KRAFT PULP-MILLS.

PYRETHOIDS

COTE LM : RESEARCH ON METABOLISM AND MODE OF ACTION OF MYCOTOXINS ESPECIALLY DEOXYNIVALENOL. SIMILAR WORK WITH PYRETHOIDS.

PYROLYSIS

TSUCHIYA Y : ANALYSIS OF GASES AND VAPOURS RELEASED FROM BUILDING MATERIALS AT ROOM TEMPERATURE AND UNDER PYROLYSIS CONDITIONS. THE ANALYTICAL TOOLS USED ARE A GC/MS, MS/MS, HPLC AND IC

PYROMETALLURGY

LAST AJ : SPECIAL PROCESS ENERGY APPLICATIONS AND RESEARCH SUCH AS HIGH POWER ULTRASOUND, MICROWAVE, ULTRAVIOLET AND INFRA-RED LIGHT; EMULSIONS, EMULSIFICATION PROCESSES AND EMULSIFIERS; ALSO LIQUID FLOW PROCESSING; IRON ORE BENEFICIATION AND DIRECT REDUCTION OF IRON ORE; POWDER METALLURGY; COMBUSTION AND FUELS IN METALLURGICAL PROCESSING; GASIFICATION AND LIQUEFACTION OF COALS AND BOTH FERROUS AND NON-FERROUS PYROMETALLURGY.

QUALITE-DE-L'EAU

PAYMENT P : QUALITE MICROBIOLOGIQUE DE L' EAU (BACTERIES, VIRUS, PARASITES); EFFETS SUR LA SANTE; NORMES DE QUALITE-DE-L'EAU.
PLAMONDON AP : EVALUATION-DES-IMPACTS DES OPERATIONS FORESTIERES SUR LE REGIME ET LA QUALITE-DE-L'EAU. RESTAURATION DES BASSINS HYDROGRAPHIQUES DETERIORES PAR L' EROSION EN MILIEUX HUMIDES, SEC OU MONTAGNEUX.

QUALITE-DES-EAUX-USEES

LAVALLEE P : ASSAINISSEMENT-EAU: METHODOLOGIE DE LA PROPAGATION DES EAUX-USEES DEVERSEES EN COURS D'EAU. EVALUATION DE LA QUALITE-DES-EAUX-USEES DE DEBORDEMENT-DE-RESEAUX UNITAIRES. CARACTERISATION DES EAUX-USEES: INFLUENCE SUR LE MILIEU RECEPTEUR ET LA STATION DE TRAITEMENT.

QUARRIES

GOODINGS WD : USE OF QUARRIES & LINERS FOR LANDFILLS. ENERGY FROM WASTE OPPORTUNITIES; PRIVATE SECTOR FINANCING & OPERATION OF WASTE-MANAGEMENT SYSTEMS; HAZARDOUS-WASTE CLEANUP; PUBLIC PARTICIPATION PROGRAMS FOR SITING CONTROVERSIAL FACILITIES (LANDFILLS, INCINERATORS, HIGHWAYS).

QUARTZ

KNIGHT G : AIRBORNE DUST IN MINES. MEASUREMENT PRODUCTION CONTROL, X-RAY DIFFRACTION ASSESSMENT OF QUARTZ IN MINE AIRBORNE DUST. RESPIRABLE DUST SAMPLING IN THE WORK PLACE.

QUARTZ

QUEBEC

BRODO IM : TAXONOMY OF LICHENS, ESPECIALLY THE GENUS LECANORA AND STUDIES ON THE LICHENFLORA OF CANADA, ESPECIALLY BRITISH-COLUMBIA, ONTARIO & QUEBEC. SYSTEMATIC STUDIES OF VASCULAR PLANTS, BRYOPHYTES, LICHENS & ALGAE (SPECIES OCCURRING IN CANADA & ELSEWHERE IN NORTHERN HEMISPHERE); FLORISTIC STUDIES OF THESE & RARE & ENDANGERED-PLANTS IN CANADA.
FEDERATION DES PRODUCTEURS : DOMAINE DE LA FORET PRIVEE DU QUEBEC. LA FPBQ A POUR TACHE D' ASSURER LA COORDINATION DE LA MISE EN MARCHE DES BOIS PRODUITS A PARTIR DE LA FORET PRIVEE D'UNE PART ET DE DEVELOPPER CETTE FORET PRIVEE PAR LA MISE EN PLACE DE PROGRAMMES D' AMENAGEMENT-FORESTIER. NOUS MAINTENONS A JOUR LES STATISTIQUES SUR LES BIO-PHYSIQUES ET SOCIO-ECONOMIQUES DE LA FORET PRIVEE QUEBECOISE.
GAGNON D : VEGETATION ENVIRONMENT RELATIONSHIPS WITH APPLICATIONS TO FOREST-MANAGEMENT (REPLANTING), IN SOUTHWESTERN QUEBEC AND VANCOUVER-ISLAND, BRITISH-COLUMBIA. ECOLOGY AND DEMOGRAPHY OF PERENNIAL FOREST HERBS.
KRUEGER RR : URBANIZATION OF FRUITLANDS (OKANAGAN-VALLEY, BRITISH-COLUMBIA & NIAGARA-FRUIT-BELT). RESPONSE OF QUEBEC ORCHARD-INDUSTRY TO LOW TEMPERATURE HAZARD.
LACHANCE D : RESPONSABLE D'UN SERVICE DE RELEVE ANNUEL DES INSECTES ET DES MALADIES DES ARBRES PAR TOUTE LA PROVINCE DE QUEBEC. ESTIMONS L'IMPACT DES RAVAGEURS SUR LA PRODUCTION EN FIBRES LIGNEUSES DES FORETS. PRODUISONS DES RAPPORTS ANNUELS ET PONCTUELS.
NOBREGA G : DOCUMENTATION, RENSEIGNEMENT, TELEREFERENCE EN ENVIRONNEMENT. PRODUCTEUR DE LA BANQUE-BIBLIOGRAPHIQUE AUTOMATISEE ENVIRONMENTALE SUR L' INVENTAIRE BIOPHYSIQUE DU QUEBEC. RESPONSABLE CENTRE DE DOCUMENTATION.
PAULIN G : INVENTAIRE DE DOXINES & FURANNES, EFFETS SUR LA SANTE, INVENTAIRE SUR LES COMPOSES-ORGANIQUES-VOLATILS; ETUDES SUR LES HYDROCARBURES-POLYNUCLEAIRES-AROMATIQUES, ETUDES SUR LE BRUIT-COMMUNAUTAIRE, EVOLUTION DE LA QUALITE DE L' AIR AU QUEBEC, EFFET DU CHAUFFAGE-AU-BOIS.
ROUSSEAU C : LE CONSEIL DONNE AVIS AU MINISTRE SUR TOUTE QUESTION QUE CELUI-CI LUI SOUMET RELATIVEMENT AUX SUJETS VISES PAR LA LOI SUR LA QUALITE DE L' ENVIRONNEMENT DU QUEBEC. IL PEUT AUSSI DE SA PROPRE INITIATIVE OU A LA DEMANDE DE PERSONNES OU DE GROUPE, FORMULER UN AVIS SUR LES POLITIQUES EN MATIERE D' ENVIRONNEMENT. IL PEUT A CES FINS, ENTREPRENDRE LES ETUDES NECESSAIRES.

RADAR

BLOKPOEL H : BIOLOGICAL ASPECTS OF THE BIRD AIRCRAFT COLLISION PROBLEM. BIRD DETECTION ALOFT USING RADAR.
CARSWELL AI : LIDAR (LASER RADAR) DIAGNOSTICS OF THE ATMOSPHERE REMOTE-SENSING, ATMOSPHERIC OPTICS, LASER BEAM PROPAGATION AND SCATTERING IN THE ATMOSPHERE.
CHISHOLM AJ : MANAGEMENT OF RESEARCH IN STRATOSPHERIC POLLUTION, OZONE MONITORING, SOLAR ENERGY, WEATHER RADAR, CLOUD PRECIPITATION PHYSICS, CLOUD CHEMISTRY & ACID-FOG. HEAD, CANADIAN DELEGATION NEGOTIATING THE VIENNA CONVENTION FOR THE PROTECTION OF THE OZONE LAYER.
FORTIN JP : HYDROLOGIE; HYDROMETEOROLOGIE; PRECIPITATION; PLUIE; NEIGE; RUISSELLEMENT; DEBIT; ECOULEMENT; PHYSIOGRAPHIE; RIVIERE; BASSIN VERSANT; CRUE; INONDATION; TELEDETECTION EAU; SATELLITE EAU; INTEGRATION DES DONNEES; STATISTIQUE HYDROLOGIE; GESTION-EAU; PLANIFICATION-EAU; PREVISION EAU; DECISION EAU; PROTECTION EAU; CONTROLE-EAU; MODELE HYDROLOGIQUE; CEQUEAU MODELE; MODELE DETERMINISTE MAILLE-CARREAU; MODELE D AJUSTEMENT; PREVISION HYDROLOGIQUE; PREVISION ECOULEMENT; PREVISION TEMPS REEL; RESEAU HYDROLOGIQUE; PLUVIOMETRE; RADAR HYDROLOGIE; STATION-PLUVIOMETRIQUE; RESEAU RADAR METEOROLOGIE; PRECIPITATIONS-ACIDES; POLLUANTS-ATMOSPHERIQUES; TRANSPORT-A-LONGUE-DISTANCE; MODELE STATISTIQUE; DIFFUSION UNIDIMENSIONNEL; ANISOTROPIE-SPATIALE.
ISAAC GA : RESEARCH ON CLOUD PHYSICS, CLOUD CHEMISTRY, AEROSOL PHYSICS, ACID-RAIN, MESOSCALE METEOROLOGY, WEATHER RADAR, WEATHER MODIFICATION, CLOUD CLIMATOLOGY & AIRCRAFT METEOROLOGICAL INSTRUMENTATION.
LOWRY RT : RADAR REMOTE-SENSING; ICE MANAGEMENT SYSTEMS; ATMOSPHERIC MODELLING; GROUNDWATER MODELLING GEOLOGICAL TESTING, LAND-USE MAPPING; WEATHER MODIFICATION; APPLIED MECHANICS.
MATHEWS T : ACOUSTIC REMOTE-SENSING OF THE ATMOSPHERE USING MONOSTATIC & DOPPLER RADAR TO MEASURE TURBULENCE & WIND PROFILES TO STUDY CHINOOKS & OTHER MESOSCALE PHENOMENA & TO APPLY TO POLLUTION DISPERSION PROBLEMS.

RADIATION

BIRD PM : RETIRED PUBLIC SERVANT, FORMERLY WITH NATIONAL RADIATION PROTECTION & ENVIRONMENT & ASSESSMENT PROGRAMS. CO-AUTHORED CANADIAN STATE OF ENVIRONMENT REPORT. REPRESENTED CANADA AT INTERNATIONAL ENVIRONMENTAL POLICY MEETINGS.
BUTLER GC : RADIATION PROTECTION. ECOTOXICOLOGY.
GUTHRIE JE : GENERAL AND APPLIED ECOLOGY, WITH SPECIALIST EXPERTISE IN RADIATION ECOLOGY. AREAS OF RESEARCH INCLUDE ENVIRONMENTAL RADIATION MONITORING AND SURVEILLANCE, AND EFFECTS OF CHRONIC EXPOSURE TO RADIATION ON TERRESTRIAL-ECOSYSTEMS. GEOGRAPHIC INFORMATION-SYSTEMS.

RADIATION

JURY JW : INVESTIGATION OF RADON GAS IN NATURAL WATERS. TRACE-ELEMENT ANALYSIS USING PHOTON & NEUTRON ACTIVATION TECHNIQUES. PHOTON SPECTROSCOPY (GAMMA-RAYS). RADIATION IMAGING & MONITORING.

MARKO AM : BIOLOGICAL EFFECTS OF RADIATION & OTHER TOXIC AGENTS. ENVIRONMENTAL PATHWAYS OF MOVEMENT OF RADIOACTIVITY & TOXIC-CHEMICALS & METABOLISM. METABOLIC MODELLING OF RADIONUCLIDES & CHEMICALS & THEIR DOSIMETRY.

MCKEE PM : RESEARCH ON FRESHWATER ENVIRONMENTS; CYCLING OF NATURAL ELEMENTS & CONTAMINANTS; EFFECTS OF IONIZING RADIATION ON HUMANS AND OTHER BIOTA; FISHERIES BIOLOGY; BENTHIC ECOLOGY.

SWANSON SM : RADIONUCLIDE ACCUMULATION IN THE AQUATIC AND TERRESTRIAL FOOD-CHAIN; EFFECTS OF LOW LEVEL RADIATION ON FISH POPULATIONS; SECONDARY PRODUCTIVITY IN AQUATIC-ECOSYSTEMS; AQUATIC BIOLOGY.

TRACK BL : ASSESSMENT OF DOSES & HEALTH EFFECTS OF ENVIRONMENTAL RADIATION. FOOD CHAIN TRANSFER OF RADIONUCLIDES. ATMOSPHERIC DISPERSION OF RADIONUCLIDES. HUMAN METABOLISM OF RADIONUCLIDES.

UCHIDA IA : EFFECT OF DIAGNOSTIC RADIATION OF THE ABDOMEN ON CHROMOSOME SEGREGATION, SPECIFICALLY OF MOTHERS OF DOWN'S-SYNDROME CHILDREN & SPONTANEOUS ABORTIONS. THE MOUSE IS USED AS THE ANIMAL MODEL.

ZACH R : EFFECTS OF RADIATION ON THE ENVIRONMENT. MOVEMENT OF RADIONUCLIDES IN THE ENVIRONMENT. NUCLEAR FUEL, WASTE-MANAGEMENT, ENVIRONMENTAL-ASSESSMENT. EFFECTS OF RADIATION ON BIRDS. ECOLOGY.

RADIO-CARBON

TERASMAE J : QUATERNARY GEOLOGY, PALYNOLOGY, PALEAECOLOGY, GEOCHRONOLOGY (RADIO-CARBON DATING), TREE-RING STUDIES; GEOCHEMISTRY, SEDIMENTOLOGY OF LAKE SEDIMENTS (PALEOLIMNOLOGY) & PEAT DEPOSITS FOR STRATIGRAPHIC-CORRELATION PALEOENVIRONMENTAL ANALYSIS (INCLUDING CLIMATE CHANGE, VEGETATION HISTORY & HUMAN ACTIVITIES).

RADIO-IODINES

HOLFORD RW : DEVELOPMENT OF INSTRUMENTS FOR AIR-MONITORING FOR RADIO-IODINES. COMPUTER PROCESSING OF PERSONAL DOSIMETRIC & ENVIRONMENTAL DATA.

RADIOACTIVE

THOMPKINS RW : DEVELOPED A METHOD TO MEASURE RADIOACTIVE CHARACTERISTICS OF URANIUM FROM CORE OR HAND SIZED SPECIMENS OF URANIUM ORES. FROM THESE MEASUREMENTS SAFE ENVIRONMENTAL LIMITS, COMPARATIVE MINE DESIGNS CAN BE MADE & THE ECONOMICS OF MINING ASSESSED EARLY IN THE MINE PLANNING STAGE.

RADIOACTIVE-WASTE

ASHBROOK AW : CORPORATE ENVIRONMENT AFFAIRS. ENVIRONMENTAL AND WASTE-MANAGEMENT POLICY, STRATEGY AND ANALYSIS IN URANIUM MINING, MILLING AND REFINING. DECOMMISSIONING AND CLOSE-OUT OF MINE/MILL FACILITIES; DECOMMISSIONING AND RECLAMATION OF LOW-LEVEL RADIOACTIVE-WASTE MANAGEMENT SITES. WASTE UTILIZATION AND DISPOSAL. R&D STUDIES.

BEWERS JM : GEOCHEMISTRY OF TRACE-METALS IN THE MARINE ENVIRONMENT. HALOGEN GEOCHEMISTRY. RADIOACTIVITY ANALYSIS. RESEARCH RELATED TO DISPOSAL OF RADIOACTIVE-WASTE IN THE OCEAN INCLUDING ENVIRONMENTAL SURVEILLANCE PROGRAMS.

CHARLESWORTH DH : ENVIRONMENTAL-PROTECTION RELATED TO THE STUDY AND USE OF NUCLEAR ENERGY. RADIOACTIVE-WASTE MANAGEMENT.

CHOMYN BA : GEOLOGY AND GEOCHEMISTRY OF DEEP ROCK DISPOSAL OF HIGH LEVEL RADIOACTIVE-WASTE; MAGNETIC SUSCEPTIBILITY, MEASUREMENTS RELATIVE TO ROCK COMPOSITION AT DEPTH. PREDICTION OF THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH URANIUM TAILINGS WITH TIME MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK BEING EXTENDED TO OTHER TYPES OF TAILINGS.

RADIOACTIVE-WASTES

BAWEJA AS : WATER-QUALITY GUIDELINES & CRITERIA; RADIOACTIVITY IN WATER; DISPOSAL OF RADIOACTIVE-WASTES, ESPECIALLY URANIUM TAILINGS & REACTOR SPENT FUEL; SOIL-CHEMISTRY & MINERALOGY; TROPICAL SOILS MANAGEMENT.

SHEPPARD MI : SOIL MIGRATION & PLANT UPTAKE OF CHEMICAL & RADIOACTIVE-WASTES. COMPUTER MODELLING TO PREDICT SOIL RESIDENCE TIMES & LEACH RATES. PHYSICAL, CHEMICAL, THERMAL & RADIOLOGICAL CHARACTERIZATION OF SOILS.

RADIOACTIVITY

BAWEJA AS : WATER-QUALITY GUIDELINES & CRITERIA; RADIOACTIVITY IN WATER; DISPOSAL OF RADIOACTIVE-WASTES, ESPECIALLY URANIUM TAILINGS & REACTOR SPENT FUEL; SOIL-CHEMISTRY & MINERALOGY; TROPICAL SOILS MANAGEMENT.
BEWERS JM : GEOCHEMISTRY OF TRACE-METALS IN THE MARINE ENVIRONMENT. HALOGEN GEOCHEMISTRY. RADIOACTIVITY ANALYSIS. RESEARCH RELATED TO DISPOSAL OF RADIOACTIVE-WASTE IN THE OCEAN INCLUDING ENVIRONMENTAL SURVEILLANCE PROGRAMS.
MARKO AM : BIOLOGICAL EFFECTS OF RADIATION & OTHER TOXIC AGENTS. ENVIRONMENTAL PATHWAYS OF MOVEMENT OF RADIOACTIVITY & TOXIC-CHEMICALS & METABOLISM. METABOLIC MODELLING OF RADIONUCLIDES & CHEMICALS & THEIR DOSIMETRY.
PLATFORD RF : LOW LEVEL RADIOACTIVITY MEASUREMENTS OF URANIUM DAUGHTER PRODUCTS & FALLOUT FROM BOMB TESTS.

RADIOCARBON

ARNOLD LD : MEASUREMENT OF NATURALLY OCCURRING LEVELS OF TRITIUM & RADIOCARBON IN ENVIRONMENTAL SAMPLES. RESEARCH ON METHODS OF SAMPLE PREPARATION; BACKGROUND COMPENSATION & DATA PROCESSING.
FRITZ P : ENVIRONMENTAL ISOTOPE GEOCHEMISTRY IN RELATION TO WASTE-DISPOSAL, CONTAMINANT STUDIES, HYDROGEOLOGY, QUATERNARY GEOLOGY & PALEONTOLOGY. STABLE ISOTOPE ANALYSES, RADIOCARBON DATING, TRITIUM DETERMINATIONS, GEOCHEMICAL ANALYSES.

RADIOECOLOGY

MIHOK S : RADIONUCLIDE TRANSPORT IN MAMMALS. RADIOECOLOGY OF RODENTS. HEMATOLOGY. PARASITOLOGY. IMMUNOLOGY. PATHOLOGY.

RADIOISOTOPES

DUDAS MJ : BIOGEOCHEMISTRY OF TRACE-ELEMENTS, HEAVY-METALS, RADIOISOTOPES IN SOILS, PLANTS & TERRESTRIAL SYSTEMS; CLAY MINERALOGY; RESEARCH ON FLY-ASH LEACHATES, TOXIC INORGANICS IN THE ENVIRONMENT & CYCLING OF NOXIOUS HEAVY-METALS.

RADIOLOGICAL

SHEPPARD MI : SOIL MIGRATION & PLANT UPTAKE OF CHEMICAL & RADIOACTIVE-WASTES. COMPUTER MODELLING TO PREDICT SOIL RESIDENCE TIMES & LEACH RATES. PHYSICAL, CHEMICAL, THERMAL & RADIOLOGICAL CHARACTERIZATION OF SOILS.
SNODGRASS WJ : RESEARCH INTO SEDIMENT WATER TRANSFER OF CONTAMINANTS (CHLORINATED ORGANICS, HEAVY-METALS, RADIONUCLIDES, ALKALINITY). WATER & WASTEWATER-TREATMENT PROCESSES. RADIOLOGICAL IMPACT OF NUCLIDE RELEASES.

RADIONUCLIDE

JOSHI SR : DEVELOPMENT OF METHODS FOR MEASURING RADIONUCLIDE IN THE AQUATIC ENVIRONMENT; IMPACT OF RADIONUCLIDES RELEASED FROM NUCLEAR FACILITIES & URANIUM MINING INDUSTRY ON THE AQUATIC ENVIRONMENT; NUCLEAR TECHNIQUES IN WATER-POLLUTION RESEARCH.
LEE DR : GROUNDWATER CONTAMINANT FLUX TO SURFACE-WATERS, IDENTIFICATION OF GROUNDWATER DISCHARGE ZONES, STUDIES OF RADIONUCLIDE MIGRATION IN POROUS MEDIA TOXICITY OF METALS AND SYNTHETIC ORGANICS TO AQUATIC LIFE.
MIHOK S : RADIONUCLIDE TRANSPORT IN MAMMALS. RADIOECOLOGY OF RODENTS. HEMATOLOGY. PARASITOLOGY. IMMUNOLOGY. PATHOLOGY.
SWANSON SM : RADIONUCLIDE ACCUMULATION IN THE AQUATIC AND TERRESTRIAL FOOD-CHAIN; EFFECTS OF LOW LEVEL RADIATION ON FISH POPULATIONS; SECONDARY PRODUCTIVITY IN AQUATIC-ECOSYSTEMS; AQUATIC BIOLOGY.

RADIONUCLIDES

CHOMYN BA : GEOLOGY AND GEOCHEMISTRY OF DEEP ROCK DISPOSAL OF HIGH LEVEL RADIOACTIVE-WASTE; MAGNETIC SUSCEPTIBILITY, MEASUREMENTS RELATIVE TO ROCK COMPOSITION AT DEPTH. PREDICTION OF THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH URANIUM TAILINGS WITH TIME MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK BEING EXTENDED TO OTHER TYPES OF TAILINGS.
COOPER EL : ENVIRONMENTAL-MONITORING AND RESEARCH ON THE BEHAVIOUR OF RADIONUCLIDES IN THE ENVIRONMENT. ALSO INTERESTED IN THE USES OF RADIOTRACERS AND NUCLEAR METHODS IN STUDIES OF ENVIRONMENTAL PROCESSES.
CORNETT RJJ : TRANSPORT OF TRACE-ELEMENTS THROUGH AQUATIC SYSTEMS. BIOACCUMULATION OF RADIONUCLIDES MODELLING OXYGEN CONCENTRATIONS IN LAKES. ROLE OF GROUNDWATER INPUTS IN DETERMINING STREAM WATER CHEMISTRY.

RADIONUCLIDES

JOSHI SR : DEVELOPMENT OF METHODS FOR MEASURING RADIONUCLIDE IN THE AQUATIC ENVIRONMENT; IMPACT OF RADIONUCLIDES RELEASED FROM NUCLEAR FACILITIES & URANIUM MINING INDUSTRY ON THE AQUATIC ENVIRONMENT; NUCLEAR TECHNIQUES IN WATER-POLLUTION RESEARCH.
MARKO AM : BIOLOGICAL EFFECTS OF RADIATION & OTHER TOXIC AGENTS. ENVIRONMENTAL PATHWAYS OF MOVEMENT OF RADIOACTIVITY & TOXIC-CHEMICALS & METABOLISM. METABOLIC MODELLING OF RADIONUCLIDES & CHEMICALS & THEIR DOSIMETRY.
RITCEY GM : PROCESS OF URANIUM AND BASE-METAL ORES WHERE THE ENVIRONMENTAL CONSIDERATIONS OF TAILINGS EFFLUENTS WERE CONSIDERED. RECENTLY DEVOTED TO URANIUM AND SULPHIDE TAILINGS, TO PREDICT THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH THE TAILINGS WITH TIME. MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK WILL BE EXTENDED TO MATERIALS TO INHIBIT OXIDATION.
SNODGRASS WJ : RESEARCH INTO SEDIMENT WATER TRANSFER OF CONTAMINANTS (CHLORINATED ORGANICS, HEAVY-METALS, RADIONUCLIDES, ALKALINITY). WATER & WASTEWATER-TREATMENT PROCESSES. RADIOLOGICAL IMPACT OF NUCLIDE RELEASES.
TRACK BL : ASSESSMENT OF DOSES & HEALTH EFFECTS OF ENVIRONMENTAL RADIATION. FOOD CHAIN TRANSFER OF RADIONUCLIDES. ATMOSPHERIC DISPERSION OF RADIONUCLIDES. HUMAN METABOLISM OF RADIONUCLIDES.
ZACH R : EFFECTS OF RADIATION ON THE ENVIRONMENT. MOVEMENT OF RADIONUCLIDES IN THE ENVIRONMENT. NUCLEAR FUEL, WASTE-MANAGEMENT, ENVIRONMENTAL-ASSESSMENT. EFFECTS OF RADIATION ON BIRDS. ECOLOGY.

RADIOTOXIC

BARNARD JW : DEVELOPMENT OF COMPUTER MODELS OF THE BIOSPHERE TO ASSIST IN ENVIRONMENTAL & SAFETY ASSESSMENT OF RADIOTOXIC & CHEMICALLY TOXIC-WASTE DISPOSAL. PATHWAYS ANALYSES. IMPACT STATEMENTS & ENVIRONMENTAL SCREENING DOCUMENTS FOR WASTE STORAGE & DISPOSAL, LICENSING OF NEW FACILITIES.

RADIOTRACERS

COOPER EL : ENVIRONMENTAL-MONITORING AND RESEARCH ON THE BEHAVIOUR OF RADIONUCLIDES IN THE ENVIRONMENT. ALSO INTERESTED IN THE USES OF RADIOTRACERS AND NUCLEAR METHODS IN STUDIES OF ENVIRONMENTAL PROCESSES.

RADIUM

HUCK PM : TREATMENT OF DRINKING-WATER (ORGANIC CONTAMINANTS ALTERNATIVE DISINFECTANTS, ACTIVATED CARBON). TREATMENT OF URANIUM MINING & MILLING WASTES (DEVELOPMENT OF A NEW PROCESS FOR RADIUM REMOVAL).
SMITHSON GL : ENVIRONMENTAL CHEMICAL AND RADIOCHEMICAL ANALYSIS OF ALL SAMPLE TYPES. SET UP FIRST COMMERICAL RADIOCHEMICAL LAB IN CANADA (1974). ANALYSIS OF ALL CHEMICAL AND ELEMENTAL SPECIES INCLUDING RADIUM, LEAD, POLONIUM, THORIUM AND URANIUM ISOTOPES IN ANY SAMPLE TYPE. RADIOCHEMICAL PROCEDURES MANUAL.

RAIN-WATER

WALLER DH : URBAN STORMWATER QUALITY AND QUANTITY. NON-POINT SOURCE POLLUTION. URBAN RESEARCH WATERSHEDS. RAIN-WATER CISTERN SYSTEMS. ON-SITE SEWAGE DISPOSAL.

RAINBOW-TROUT

BANAS WP : AQUATIC TOXICOLOGY & CHEMICAL FATE INVESTIGATIONS. TOXICITY TESTING OF INDUSTRIAL EFFLUENTS (PULP & PAPER, MINING, STEEL MANUFACTURING). DEVELOPMENT OF A WATER-QUALITY AQUATIC ENVIRONMENT. TOXICITY OBJECTIVE REGARDING ALUMINUM IN THE EVALUATIONS OF PESTICIDES (ORGANOCHLORINE & ORGANOPHOSPHATE) & HEAVY-METALS USING RAINBOW-TROUT IN FLOW THROUGH & STATIC BIOASSAYS.

RAINFOREST

SPRATT ED : RAINFOREST CLEARING IN INDONESIA USING CHEMICAL POISONING OF ECONOMICAL TREES THEN PLANTING FAST-GROWING CREEPING LEGUME VINES TO OVERTAKE THE UNDERGROWTH. P & K FERTILIZERS ARE NEEDED. GRADUAL TAKEOVER OF LEGUMES BY ECONOMICAL CROPS (IE. OIL PALM) USING TOP KILLERS TO CONTROL LEGUME UNDERGROWTH. STOPS SOIL EROSION IN TRANSITION FROM FOREST TO CROPS.

RAPTORS

PRICE I : COORDINATING CANADIAN WILDLIFE SERVICE PROGRAM OF CONTACT WITH LATIN-AMERICAN WILDLIFE AGENCIES; ORNITHOLOGY: RAPTORS. LOONS. HERONS. NON-GAME PROGRAM COORDINATOR FOR CANADIAN WILDLIFE SERVICE.

RAYONNEMENT-SOLAIRE

HUFTY A : TOPOCLIMATOLOGIE & RAYONNEMENT-SOLAIRE; CLIMATOLOGIE REGIONALE ET SYNOPTIQUE; ENSEIGNEMENT DE LA CLIMATOLOGIE.

REACTOR

BAWEJA AS : WATER-QUALITY GUIDELINES & CRITERIA; RADIOACTIVITY IN WATER; DISPOSAL OF RADIOACTIVE-WASTES, ESPECIALLY URANIUM TAILINGS & REACTOR SPENT FUEL; SOIL-CHEMISTRY & MINERALOGY; TROPICAL SOILS MANAGEMENT.
GUIOT SR : ANAEROBIC-WASTEWATER-TREATMENT. DEVELOPMENT OF ADVANCED REACTOR CONFIGURATIONS. MODELLING (STEADY STATE & DYNAMIC). EFFECT OF HYDRAULIC AND ORGANIC FACTORS ON THE SLUDGE GRANULATION INDUCTION. DETOXIFICATION (HEAVY METALS).
KENNEDY KJ : RESEARCH IN CONVERSION OF INDUSTRIAL AND AGRICULTURAL WASTES TO METHANE IN ADVANCED ANAEROBIC REACTOR SYSTEMS.

REACTORS

RAMALHO RS : WASTEWATER-TREATMENT PROCESSES. REMOVAL OF TOXIC ELEMENTS OR COMPOUNDS FROM WASTEWATERS BY ADSORPTION PROCESSES. ANAEROBIC-WASTEWATER-TREATMENT OF HIGH BOD BY UPFLOW ANAEROBIC SLUDGE-BLANKET REACTORS.

REAMATOPOIETIC-STEM-CELLS

ROY RM : MODIFICATION OF DAMAGE & RECOVERY FOLLOWING IRRADIATION BY PHARMACOLOGICAL DOSES OF D-TOCOPHEROL IN MAMMALS. PARAMETERS INVESTIGATED INCLUDE SURVIVAL OF REAMATOPOIETIC-STEM-CELLS, PERIPHERAL BLOOD DIFFERENTIAL COUNTS, HUMORAL-IMMUNE RESPONSE & LYMPHOCYTE PROLIFERATION.

REBOISEMENT

GODBOUT C : RECHERCHES SUR LA FORET ET LES PRODUITS FORESTIERES: ECOSYSTEME FORESTIER (EVOLUTION, DESCRIPTION, REACTION AUX STRESS); REBOISEMENT ET TRAVAUX SYLVICOLES; AMELIORATION GENETIQUE DES ARBRES; TECHNIQUES DE PROTECTION; UTILISATION ET GESTION-DES-FORETS.

RECAUSTICIZING

PINDER KL : ANAEROBIC FERMENTATION OF HIGH BOD FOOD-WASTES. RECOVERY OF CHEMICALS FROM CHLORINE-DIOXIDE BLEACH EFFLUENTS. AUTOCAUSTICIZING OF KRAFT LIQUORS TO ELIMINATE RECAUSTICIZING EFFLUENT.

RECLAMATION

ASHBROOK AW : CORPORATE ENVIRONMENT AFFAIRS. ENVIRONMENTAL AND WASTE-MANAGEMENT POLICY, STRATEGY AND ANALYSIS IN URANIUM MINING, MILLING AND REFINING. DECOMMISSIONING AND CLOSE-OUT OF MINE/MILL FACILITIES; DECOMMISSIONING AND RECLAMATION OF LOW-LEVEL RADIOACTIVE-WASTE MANAGEMENT SITES. WASTE UTILIZATION AND DISPOSAL. R&D STUDIES.
BIRKBECK AE : CHARACTERISATION & TREATMENT OF LANDFILL LEACHATE, ODOUR CONTROL AT LANDFILLS. INDUSTRIAL & MUNICIPAL WASTEWATER-TREATMENT, RECLAMATION & RECIRCULATION FOR FISH HATCHERIES. DESIGN & EVALUATION OF SMALL DISINFECTION UNITS, CHLORINE, OZONE & ULTRAVIOLET.
CREPIN J : PHYTOTOXIC EFFECTS OF HAZARDOUS-WASTES GENERATED BY THE OIL & NATURAL-GAS INDUSTRIES. CHEMICAL CHARACTERIZATION OF THESE WASTES. RECLAMATION OF WASTE TREATED SITES.
DEVELOPMENT & RECLAMATION REVIEW : REGULATORY AGENCY: APPROVAL OF RECLAMATION PROGRAMS FOR COAL & OIL-SANDS PROJECTS.
ERRINGTON JC : ADMINISTER MINE RECLAMATION ACTIVITY IN BRITISH-COLUMBIA. SOME RESEARCH CONDUCTED ON PLANT SPECIES SUITABILITY ON MINE WASTE MATERIAL. RESEARCH COMMISSIONED ON COSTS & BENEFITS OF WASTE DUMP RESLOPING & OF USING VALLEY ROCK DRAINS.
FINDLAY RL : RESEARCH IN ACID-DEPOSITION & ITS EFFECTS, FOREST & AGRICULTURE RECLAMATION; OIL & SALT WATER SPILL RECLAMATION; IMPACT-ASSESSMENT FOR OIL & GAS DEVELOPMENT; DECOMMISIONING PROGRAMS.
GARRATT DG : RESEARCH RELATED TO WATER-QUALITY, IMPURITY TRANSPORT IN SURFACE AND GROUNDWATER, URANIUM MINE-MILL DECOMMISSIONING AND RECLAMATION.

RECLAMATION

GREEN JE : ENVIRONMENTAL CONSULTING FIRM SPECIALIZING IN APPLIED RESEARCH INVOLVING WILDLIFE POPULATIONS AND WILDLIFE HABITAT. AREAS OF EXPERTISE INCLUDE VEGETATION AND HABITAT ASSESSMENTS, HABITAT EVALUATION MODELLING, BIOLOGICAL MONITORING, BEHAVIOURAL AND DISTURBANCE STUDIES OF WILDLIFE, RECLAMATION PLANNING, WILDLIFE HABITAT ENHANCEMENT AND RECLAMATION, AND PROTECTION PLANNING.

HRUDEY SE : INDUSTRIAL WASTE-MANAGEMENT, PETROLEUM, ORGANIC CHEMICAL, OIL-SANDS, FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION CONTROL; WATER RECLAMATION AND REUSE; HAZARDOUS TOXIC-WASTE, MANAGEMENT, DISPOSAL; INDUSTRIAL BIOTECHNOLOGY; ANAEROBIC TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT; RISK-ASSESSMENT; HAZARD IDENTIFICATION CONTROL.

KERSHAW GP : RECLAMATION & MITIGATION OF ARCTIC, SUBARCTIC & ALPINE DISTURBANCES DEVELOPMENT OF RESOURCES. ASPEN PARKLAND, BOREAL, SUBARCTIC, ALPINE & ARCTIC ECOSYSTEMS STRUCTURE & FUNCTION.

LANDSBURG S : RECLAMATION OF DECOMMISSIONED INDUSTRIAL SITES.

MURRAY DR : INVENTORY OF CANADIAN ACTIVITIES RELATED TO SOIL & WATER LIMITATIONS, DEGRADATION, CONSERVATION, IMPROVEMENT, RECLAMATION. ACTIVITIES ASSOCIATED WITH MINING, AGRICULTURE, FORESTRY, ENERGY, TRANSPORTATION, CONSTRUCTION, ETC.

SIMS MP : PROVINCIAL RESEARCH PROGRAMS ON ACID-DEPOSITION, AIR-QUALITY & CLIMATE, RECLAMATION, WATER-RESOURCES; WATER-TREATMENT & WASTE-MANAGEMENT, ENVIRONMENTAL CONTAMINANTS. INTERESTS IN RISK-ASSESSMENT, BIOTECHNOLOGY & LAND RESOURCE INVENTORY.

SINGLETON GA : ACID-DEPOSITION: EFFECTS ON FORESTED SYSTEMS; RECLAMATION OF DISTURBANCES FROM SURFACE MINING, OIL-SANDS DEVELOPMENT & OIL & GAS INDUSTRIES; BIOTECHNOLOGY, RESOURCE INVENTORY & TECHNOLOGY-TRANSFER; GEOSCIENCE INVESTIGATIONS. TERRESTRIAL BASED RESEARCH.

THOMPSON DC : LAND RECLAMATION; WILDLIFE; IMPACT-ASSESSMENT OF INDUSTRIAL DEVELOPMENTS.

WARMAN PR : SOIL-FERTILITY & CONSERVATION THROUGH ORGANIC AMENDMENTS (ANIMAL & GREEN MANURES, COMPOSTS, SEWAGE SLUDGE); MINE-TAILINGS & LAND RECLAMATION; SOIL & PLANT RELATIONSHIPS IN CONSERVATION & RECLAMATION.

WELCH W : PLANT ECOLOGY, WETLAND FOREST SUCCESSION, PLANT SUCCESSION FOLLOWING RIGHT OF WAY CONSTRUCTION, VEGETATION MANAGEMENT ON ELECTRICAL TRANSMISSION RIGHTS OF WAY, VEGETATION INVENTORIES, COAL FLY-ASH RECLAMATION AND EROSION CONTROL.

RECOLONIZATION

MAUN MA : POPULATION-DYNAMICS AND PHYSIOLOGICAL ECOLOGY OF VEGETATION ON LAKE HURON SAND-DUNES, INSECT & PLAN INTERACTIONS ON SAND-DUNE SYSTEMS. RECOLONIZATION OF SAND-DUNE SYSTEMS.

MERRIAM HG : EFFECTS OF ISOLATION OF FOREST FRAGMENTS BY FARMLAND AND SUBURBAN LAND-USE. EFFECTS OF HETEROGENEITY OF LANDSCAPE MOSAICS ON SPECIES ASSEMBLAGES AND REGIONAL POPULATION-DYNAMICS INCLUDING LOCAL EXTINCTION AND RECOLONIZATION IN PATCHES AND THE EFFECTS OF CONNECTIVITY AMONG HABITAT ISLANDS.

RECOVERY

BROUGHTON ER : ENVIRONMENTAL-ASSESSMENT AND DESIGN ASSOCIATED WITH NATURAL RESOURCES AND INDUSTRY SPECIFICALLY FISH CULTURE, AND INDUSTRIAL-WASTES CONDITIONING AND RECOVERY.

CHIA CJ : MERCURY POLLUTION, WASTE ALKYLATION ACID, WASTE SULPHATE SOLUTION FROM CHLORALKALI PLANT. AMMONIA CONDENSATES & THEIR TREATMENT AND OR RECOVERY.

DURVASULA V SUBBARAO : PHYSIOLOGY & ECOLOGY OF PRIMARY PRODUCTION & MARINE PHYTOPLANKTON AIMED AT UNDERSTANDING THE FUNCTIONING OF THE MARINE ENVIRONMENT AND ITS RESPONSE AND RECOVERY TO ECOLOGICAL PERTURBATIONS.

FORRESTAL BJ : REDUCTION, REUSE, RECYCLE, RECOVERY, EXCHANGE OF INDUSTRIAL-WASTES. REPORTS ON FOOD AND METAL FINISHING INDUSTRIES. LANDFILL GAS GENERATION. REGULATION COMPLIANCE CONSULTING AND TESTING. ENVIRONMENTAL SURVEYS. ONTARIO WASTE EXCHANGE OPERATION. NOVEL WASTE-TREATMENT USING PEAT.

GEORGE Z : SULPHUR-DIOXIDE EMISSION. HYDROGEN-SULPHIDE EMISSION. REACTION BETWEEN SULPHUR-DIOXIDE & HYDROGEN-SULPHIDE. ROLE OF CATALYSTS IN THE ABOVE REACTION. SULPHUR RECOVERY.

JANKE LCG : DEVELOPMENT OF TECHNOLOGY TO OPTIMIZE THE RECOVERY & UTILIZATION OF CANADIAN FOSSIL FUELS IN AN ENVIRONMENTALLY ACCEPTABLE MANNER. PRODUCTION OF SYNTHETIC FUELS FROM NON CONVENTIONAL SOURCES. INTEGRATION OF SYNTHETIC FUELS INTO THE END-USE SYSTEM SUPPORT. POLICY SUPPORT.

MCCREADY RGL : APPLICATION OF BIOTECHNOLOGY TO MINERAL RECOVERY AND ENVIRONMENTAL-PROTECTION IN RELATION TO MINING ACTIVITIES.

MCEWEN TJ : FOOD-PROCESSING TECHNOLOGY, FOOD WASTE RECOVERY AND UTILIZATION, PROCESS WATER-QUALITY.

MILLER PB : COMBUSTION EQUIPMENT; WASTE-INCINERATORS; HEAT RECOVERY; SNOWMELTER EQUIPMENT.

MYSLICKI JJ : RECYCLING OF WASTES: ACTIVITIES AND PROJECTS ON AT-SOURCE SEPARATION, REDUCTION, RECOVERY AND RECYCLING.

PINDER KL : ANAEROBIC FERMENTATION OF HIGH BOD FOOD-WASTES. RECOVERY OF CHEMICALS FROM CHLORINE-DIOXIDE BLEACH EFFLUENTS. AUTOCAUSTICIZING OF KRAFT LIQUORS TO ELIMINATE RECAUSTICIZING EFFLUENT.

RECOVERY

ROBEY HL : INDUSTRIAL LIQUID AND SOLID WASTE-TREATMENT AND RECOVERY. WET AIR OXIDATION AND HIGH TEMPERATURE & PRESSURE CYANIDE HYDROLYSIS PROCESS APPLICATIONS RESEARCH. PROCESS DESIGN AND START-UP OF FULL SCALE SYSTEMS.
ROY RM : MODIFICATION OF DAMAGE & RECOVERY FOLLOWING IRRADIATION BY PHARMACOLOGICAL DOSES OF D-TOCOPHEROL IN MAMMALS. PARAMETERS INVESTIGATED INCLUDE SURVIVAL OF REAMATOPOIETIC-STEM-CELLS, PERIPHERAL BLOOD DIFFERENTIAL COUNTS, HUMORAL-IMMUNE RESPONSE & LYMPHOCYTE PROLIFERATION.
SATTAR SYED A : IMPACT OF VIRAL POLLUTION ON HUMAN HEALTH; SURVIVAL OF VIRUSES IN WATER, SOIL & THE ATMOSPHERE; DEVELOPMENT OF TECHNIQUES FOR VIRUS RECOVERY FROM THE ENVIRONMENT.

RECREATION

BAKER WM : TOURIST PARK AND OUTDOOR RECREATION PLANNING (POLICY STRATEGY PROGRAM, PROJECT INCLUDING BASIC NATURAL AND HISTORIC CULTURAL SUPPLY AND INFRASTRUCTURE ASSESSMENT, MARKETING, FINANCIAL AND MANAGEMENT PLANNING, PERFORMANCE EVALUATION, ENVIRONMENTAL-IMPACT-ASSESSMENT RELATIVE TO THE AMENITY ASPECTS OF RESOURCE VALUES NATIVE (INDIAN & INUIT) TOURISM PROGRAM & PROJECT PLANNING AND DEVELOPMENT.
GRAY JA : WATER-RESOURCE ECONOMICS AND PLANNING, WATER-QUALITY ECONOMICS, FOREST ECONOMICS, RECREATION ECONOMICS, BENEFIT-COST-ANALYSIS, ENVIRONMENTAL-IMPACT-ASSESSMENT, RESOURCE FEES AND CHARGES, RESOURCE-POLICY ANALYSIS.
GRIFFIN DF : CANDIDATE NATURAL AREAS ARE SELECTED THROUGHOUT PEI FOR RESEARCH, CONSERVATION, RECREATION AND EDUCATIONAL PURPOSES. BIOPHYSICAL DATA IS GATHERED.
KITCHEN CM : APPLICATION OF ENVIRONMENTAL SCIENCES TO PLANNING AND DESIGN ENGINEERING, DECISION MAKING; ENVIRONMENTAL-ASSESSMENT; SOILS & AGRICULTURE; FORESTRY, RECREATION, RESOURCE-MANAGEMENT, NATURAL AREAS RESEARCH.
TAYLOR MC : FORMULATING GUIDELINES RE WATER-QUALITY OBJECTIVE FOR INLAND WATERS FOR: AQUATIC AND WILDLIFE; RAW PUBLIC WATER-SUPPLIES; AGRICULTURE-IRRIGATION; LIVESTOCK WATERING; RECREATION; INDUSTRY.
THOMPSON JP : NATURAL-RESOURCE ECONOMICS (SPECIFICALLY THE SHADOW PRICING OF BIOPHYSICAL IMPACT INFORMATION FOR USE IN BENEFIT-COST-ANALYSIS), SOCIO-ECONOMIC IMPACT-ASSESSMENT, ECONOMIC FEASIBILITY STUDIES, RECREATION INVENTORY STUDIES.
WALL G : IMPACTS OF TOURISM AND RECREATION, E.G. PUBLICATION "TOURISM: ECONOMIC, PHYSICAL AND SOCIAL IMPACTS" (LONGMAN, LONDON 1983).

RECREATIONAL

BATER JH : ENVIRONMENTAL BEHAVIOUR AND ATTITUDES, WITH SPECIAL REFERENCE TO THE TRAFFIC ENVIRONMENT, DRIVING BEHAVIOUR AND RECREATIONAL TRAVEL.
COAKLEY JP : POST-PLEISTOCENE AND MODERN EVOLUTION OF THE COASTAL ZONE, INCLUDING THE EFFECTS OF NATURAL AND MAN-INDUCED PROCESSES. BEACH AND SHORELINE COVERS IN THE FACE OF INDUSTRIAL AND RECREATIONAL DEVELOPMENT OF THE COASTAL ZONE.
DYKSTRA TL : RECREATIONAL LAND-USE PLANNING: FOR RESERVOIRS, RESERVOIR SHORELINES & RIVER VALLEYS TO PROTECT WATER-RESOURCE MANAGEMENT OBJECTIVES.
KARIEL HG : NOISE IN OUTDOOR RECREATIONAL ENVIRONMENTS; ENVIRONMENTAL PERCEPTION, SOCIO-CULTURAL AND ENVIRONMENTAL CHANGE ASSOCIATED WITH TOURISM; DIFFUSION OF IDEAS AND ARTIFACTS.
LEE PG : ECOLOGICAL RESERVES AND NATURAL AREAS PROGRAMS OF ALBERTA. SUITABLE SITES ARE SELECTED THROUGHOUT THE PROVINCE FOR RESEARCH, PRESERVATION, EDUCATIONAL AND RECREATIONAL PURPOSES. BIOPHYSICAL DATA IS GATHERED.
SCACE RC : MANAGEMENT, COORDINATION OF LARGE-SCALE MULTI-DISCIPLINARY STUDIES, HUMAN ECOLOGICAL AND LANDSCAPE ANALYSES, LAND-USE PLANNING, HERITAGE PARKS AND PROTECTED AREAS CONSERVATION, IMPACT-ASSESSMENT, RECREATIONAL STUDIES, EDITING, CONFERENCE PLANNING, PROJECT ASSESSMENT.

RECYCLE

FORRESTAL BJ : REDUCTION, REUSE, RECYCLE, RECOVERY, EXCHANGE OF INDUSTRIAL-WASTES. REPORTS ON FOOD AND METAL FINISHING INDUSTRIES. LANDFILL GAS GENERATION. REGULATION COMPLIANCE CONSULTING AND TESTING. ENVIRONMENTAL SURVEYS. ONTARIO WASTE EXCHANGE OPERATION. NOVEL WASTE-TREATMENT USING PEAT.

RECYCLING

LOMAS H : RESEARCH RELATED TO ENVIRONMENTAL PROBLEMS: DEVELOPMENT OF BIODEGRADABLE-DETERGENTS; SUBSTITUTION FOR PHOSPHATES IN DETERGENTS; RECYCLING OF WASTEWATER & FLOCCULATION OF PAPER FINES IN PAPER MILL EFFLUENTS.
MYSLICKI JJ : RECYCLING OF WASTES: ACTIVITIES AND PROJECTS ON AT-SOURCE SEPARATION, REDUCTION, RECOVERY AND RECYCLING.

RECYCLING

SIMPSON KJ : HAZARDOUS-WASTE MANAGEMENT: SITE SELECTION, PUBLIC PARTICIPATION, NEEDS STUDIES, FEASIBILITY STUDIES, TECHNOLOGY ASSESSMENT, SITE DEVELOPMENT, LEGISLATION, SOLID-WASTE MANAGEMENT, RECYCLING, INCINERATION, LANDFILLS, WASTE-DISPOSAL.

RED-TIDES

PRAKASH A : MARINE POLLUTION, COASTAL ZONE MANAGEMENT, COASTAL AQUACULTURE, SHELLFISH, MARINE PRODUCTIVITY, RED-TIDES, SHELLFISH POISONING, ENVIRONMENTAL-QUALITY, ECOLOGY, ENVIRONMENTAL-IMPACT-ASSESSMENT MARINE PHYTOPLANKTON, TOXICITY, PHYSIOLOGY, DINOFLAGELLATES.

WHITE AW : MARINE PLANKTON ECOLOGY, PHYSIOLOGY, TOXICOLOGY. TOXIC PLANKTON BLOOMS. PARALYTIC SHELLFISH-POISONING. EFFECTS OF TOXIC RED-TIDES ON SHELLFISH AND FINFISH RESOURCES. FATE AND CONSEQUENCES OF MARINE TOXINS IN FOOD-WEBS.

REFINING

ASHBROOK AW : CORPORATE ENVIRONMENT AFFAIRS. ENVIRONMENTAL AND WASTE-MANAGEMENT POLICY, STRATEGY AND ANALYSIS IN URANIUM MINING, MILLING AND REFINING. DECOMMISSIONING AND CLOSE-OUT OF MINE/MILL FACILITIES; DECOMMISSIONING AND RECLAMATION OF LOW-LEVEL RADIOACTIVE-WASTE MANAGEMENT SITES. WASTE UTILIZATION AND DISPOSAL. R&D STUDIES.

FRIEDRICH FD : PILOT SCALE RESEARCH & FULL SCALE DEMONSTRATION ON ATMOSPHERIC FLUIDIZED BED COMBUSTION TO UTILIZE HIGH ASH, HIGH SULPHUR FUELS (COAL, REFINING RESIDUES) FOR INDUSTRIAL STEAM OR THERMAL POWER.

REFORESTATION

BARKER DJ : PRACTICAL APPLICATIONS OF ECOLOGICAL CLASSIFICATION. SILVICULTURE PLANNING AND IMPLEMENTATION, INCLUDING REFORESTATION, STAND-TENDING AND REHABILITATION. WOOD RELATED INVENTORIES: BIOMASS; SAWN AND PULP PRODUCTS; FUELWOOD. FOREST-MANAGEMENT PLANNING; TIMBER YIELD ANALYSIS BY COMPUTER.

CASE AB : SCIENTIFIC LEADERSHIP & MANAGERIAL RESPONSIBILITY FOR RESEARCH AND DEVELOPMENT ACTIVITIES IN FOREST RESOURCES & ENVIRONMENTAL RESEARCH. FOREST ECOLOGY, TREE & FOREST-STAND IMPROVEMENT, REFORESTATION, GROWTH & YIELD STUDIES, ENVIRONMENTAL PROBLEMS RELATED TO FOREST-MANAGEMENT.

D'AOUST AL : PRODUCTION, GROWTH AND PHYSIOLOGY OF CONTAINERIZED FOREST TREE SEEDLINGS FOR REFORESTATION. ENVIRONMENTAL CONDITIONS TO FAVOUR ACCELERATED GROWTH AND HARDENING OF MATERIAL. THE STUDY OF GROWTH AND GAS EXCHANGE ANALYSIS, ALSO THE WATER RELATION OF ACCLIMATIZED SEEDLINGS.

POLLOCK WS : FOREST RESEARCH AND MANAGEMENT SPECIALIZING IN PRIVATE LAND. POLICY, SILVICULTURE, REFORESTATION, REVEGETATION, FOREST INVENTORY, GROWTH STUDIES.

REGENERATION

ANDERSON HW : BIOMASS PRODUCTIVITY AND CLONAL PROPERTIES OF HYBRID POPLAR, WILLOW AND ALDER. GROWTH, QUALITY AND REGENERATION OF HIGH VALUE. HARDWOODS; SUGAR-MAPLE OR YELLOW BIRCH.

GLERUM C : TREE PHYSIOLOGY WITH EMPHASIS ON FROST HARDINESS & DORMANCY & RELATED TO QUALITY OF PLANTING STOCK WHICH WILL MAXIMIZE REGENERATION EFFORT & ENHANCE FIBRE PRODUCTION.

JEGLUM JK : WETLAND AND PEATLAND CLASSIFICATION AND ECOLOGY; BLACK-SPRUCE REGENERATION; SILVICULTURE; VEGETATION AND FLORISTICS OF BOREAL-FORESTS; SUCCESSION AND DYNAMICS OF BOREAL-FORESTS.

MCNEIL L : REGROUPEMENT D'ASSOCIATIONS DE VILLEGIATEURS 600 QUI TRAVAILLENT A LA PROTECTION DE L' ENVIRONNEMENT DES LACS ET A LA PROTECTION DE LA NATURE, POLLUTION DES LACS; REGENERATION DES RIVES. GROUPE DE PRESSION EN ENVIRONNEMENT. SENSIBILISATION, EDUCATION, INFORMATION.

NEILSON JM : MINERAL EXPLORATION. MINE DEVELOPMENT. MINE-TAILINGS DISPOSAL. SOLID & LIQUID-WASTE DISPOSAL. REGENERATION OF MINED AREAS. REVEGETATION: TEMPERATE & TROPICAL. SURFACE & SUBSURFACE POLLUTION. ACID-RAIN RESEARCH (CANADA & NORWAY). WELL DRILLING: SUBSURFACE WATER-SUPPLY.

PRASAD R : EXPERTISE IN: PESTICIDES FOR PROTECTION AND REGENERATION OF CANADIAN FOREST; HERBICIDES FOR FOREST RENEWAL AND IN STUDYING THE FATE OF HERBICIDES IN FOREST ENVIRONMENT; HERBICIDES FOR CONTROL OF MACROPHYTES.

SUTTON RF : PLANTATION ESTABLISHMENT IN FORESTRY (REGENERATION SILVICULTURE) IN THE BOREAL-FOREST; ALSO SCIENTIFIC & TECHNICAL EDITING.

WOTTON DL : LEAD: DEPOSITION & ACCUMULATION IN URBAN SOILS, SMELTER EMISSIONS, EXHAUST, PAINT RESIDUES. FOREST: EFFECTS FROM MINING SMELTERS ON VEGETATION & SOIL, NORTHERN BOREAL-FOREST ECOSYSTEMS, CONIFEROUS REGENERATION IMPACTS FROM HEAVY-METAL CONTAMINATED SOILS. SOIL & GEOLOGY SENSITIVITY MAPPING FOR ACID-RAIN. HERBICIDES.

REGLEMENTS

CARBONNEAU JM : ELABORATION DE MOYENS DE CONTROLE (E.G. CODE DE RECOMMENDATIONS TECHNIQUES, LIGNES DIRECTRICES, REGLEMENTS) SUR LES SUBSTANCES CONTROLEES PAR LA LOI SUR LES CONTAMINANTS DE L' ENVIRONNEMENT, DONT LES BIPHENYLES-CHLORES (BPC) ET LES CHLOROFLUOROALCANES (CFC).

REGULATION

DOUGLAS GR : GENETIC TOXICOLOGY. MUTAGENESIS, GENETIC MONITORING OF HUMAN POPULATION. APPLICATION OF GENETIC TOXICOLOGY DATA IN REGULATION OF CHEMICALS. WORLD HEALTH ORGANIZATION COLLABORATION CENTRE ON ENVIRONMENTAL-MUTAGENESIS.
DOUGLAS VM : MANAGEMENT OF NEW CHEMICALS PROGRAM UNDER WHICH INDUSTRY MUST NOTIFY FEDERAL GOVERNMENT OF AN IMPORT OR MANUFACTURE OF A NEW CHEMICAL: HAZARD ASSESSMENT SPECIALIST PROGRAM DEVELOPMENT, TOXIC POLICY REVIEW & DEVELOPMENT, COORDINATION OF CRITERIA DEVELOPMENT, DEVELOPMENT OF REGULATION.
DUNCAN CE : AIR-QUALITY & PRECIPITATION QUALITY MONITORING, ACID-RAIN MATHEMATICAL-MODELLING, METEOROLOGY, CONTROL & PROCESS TECHNOLOGY, HAZARDOUS CONTAMINANTS, STANDARD SETTING & REGULATION, SOURCE ASSESSMENT & MEASUREMENTS, VEHICLE EMISSIONS, SOILS & VEGETATION ASSESSMENT, PLANT PATHOLOGY EMERGENCY RESPONSE.
FLETCHER GL : ZINC REGULATION IN MARINE FISH. DETOXIFICATION OF METALS SUCH AS CADMIUM IN FISH.
FORRESTAL BJ : REDUCTION, REUSE, RECYCLE, RECOVERY, EXCHANGE OF INDUSTRIAL-WASTES. REPORTS ON FOOD AND METAL FINISHING INDUSTRIES. LANDFILL GAS GENERATION. REGULATION COMPLIANCE CONSULTING AND TESTING. ENVIRONMENTAL SURVEYS. ONTARIO WASTE EXCHANGE OPERATION. NOVEL WASTE-TREATMENT USING PEAT.
GOYETTE DE : MARINE ENVIRONMENTAL-IMPACT-ASSESSMENT AND POLLUTION-CONTROL; INDUSTRIAL AND MUNICIPAL DISCHARGES, PACIFIC COAST. SPECIFIC STUDIES ON THE PHYSICAL, CHEMICAL AND BIOLOGICAL IMPACTS OF MINE-TAILINGS AND EFFLUENTS FROM PULP-MILLS; TISSUE TRACE-METALS; MONITORING AND REGULATION COMPLIANCE; ENVIRONMENTAL-IMPACT-ASSESSMENT; PORT & HARBOURS; BIOLOGICAL EFFECTS OF ORGANIC CONTAMINANTS AND URBAN WASTES.
HALL KJ : ENVIRONMENTAL POLLUTION, SPECIFICALLY TRACE-METAL AND TRACE-ORGANIC CONTAMINANTS. PRODUCTION AND DECOMPOSITION PROCESSES IN MARSHES. LIMNOLOGICAL STUDIES ON NUTRIENT AVAILABILITY AND REGULATION OF PRODUCTION PROCESSES.
HARRIS P : BIOLOGICAL CONTROL OF WEEDS. SPECIFICALLY INVOLVED WITH THE CONTROL OF CARDUUS SPP. CENTAUREA SPP., EUPHORBIA SPP. AND SENECIO-JACOBAEA IN CANADA BUT HAVE A BROAD INTEREST IN THE APPLICATION OF BIOCONTROL OF WEEDS THROUGHOUT THE WORLD AS WELL AS IN THE THEORY AND REGULATION OF THE METHOD.
HAVAS M : EFFECTS OF LOW PH AND METALS (A1, ZN, NI, FE, CA, ETC) ON SURVIVAL, REPRODUCTION, SODIUM REGULATION CHEMICAL-COMPOSITION OF AQUATIC INVERTEBRATES FROM BOTH ARCTIC (SMOKING HILLS, NWT) AND TEMPERATE REGIONS. METAL CONTENT AND LOCALIZATION IN AQUATIC MACROPHYTES. EFFECTS OF ALUMINUM ON SUGAR-MAPLE DIEBACK.
MCKIBBEN L : ENVIRONMENTAL INVENTORY AND ANALYSIS. ENVIRONMENTAL-IMPACT PREDICTION AND MITIGATION. ENVIRONMENTAL-PLANNING AND MANAGEMENT. LAND-USE REGULATION. ENVIRONMENTALLY SENSITIVE & SIGNIFICANT AREA PROTECTION. HAZARD LAND REGULATION. TRANSPORTATION & UTILITY CORRIDOR PLANNING & MANAGEMENT.
RANDALL DJ : CARBON-DIOXIDE & OXYGEN TRANSFER & ACID-BASE REGULATION IN FISH & AMPHIBIA. INTERACTIONS BETWEEN AMMONIA, CARBON-DIOXIDE & ION MOVEMENT ACROSS FISH GILLS. STUDIES ON FISH & AMPHIBIAN ERYTHROCYTE INTRACELLULAR PH REGULATION.

REGULATIONS

HARRIS IWE : TECHNOLOGY, ENGINEERING AND REGULATIONS RELATING TO OCCUPATIONAL-HEALTH, WASTE-MANAGEMENT (AIR, WATER, LAND) AND PRODUCT LIABILITY. SYNTHETIC ELASTOMERS AND RESINS.
SANDERS CJ : BEHAVIOUR OF MOTHS IN RESPONSE TO SEX PHEROMONES AND IN DISPERSAL; ALSO ON INSECT POPULATION DYNAMICS. DEVELOPMENT OF INSECT MONITORING SYSTEMS (TRAPPING) AND POPULATION REGULATIONS (DISRUPTION OF MATING) USING SEX PHEROMONES.
SHINDLER DB : SCIENTIFIC POLICY ADVICE ON BIOTECHNOLOGY & SAFETY REGULATIONS CONCERNING ENVIRONMENTAL & LARGE-SCALE APPLICATIONS. EXPERTISE IN MICROBIOLOGY, LIMNOLOGY, BIOLOGICAL MONITORING OF TOXIC SUBSTANCES, WATER-QUALITY, LAKE ALGAL-BLOOMS & EUTROPHICATION, AQUATIC ALGAE & MACROPHYTES, BACTERIAL PHYSIOLOGY & BIOCHEMISTRY, ENZYMOLOGY. COORDINATOR OF CANADA'S NATIONAL BIOTECHNOLOGY STRATEGY.
WOOD AG : PROTECTION OF HEALTH OF EMPLOYEES IN APPLICATION OF INDUSTRIAL-HYGIENE PRINCIPLES. DEVELOPMENT OF MATERIAL SAFETY DATA SHEETS AND TOXICOLOGY SUMMARIES FOR SYNTHETIC RUBBERS. COORDINATION OF WASTE-MANAGEMENT PROGRAMS AND MONITORING OF GOVERNMENTAL REGULATIONS.

REGULATORY

ABBOTT AH : REGULATORY, MONITORING, EDUCATIONAL & OTHER ASPECTS OF ENVIRONMENTAL ACTIVITIES IN NOVA SCOTIA. ENVIRONMENTAL RESEARCH AS DEVELOPED BY TECHNICAL & PROFESSIONAL STAFF.
CASEY PJ : ON-SITE SEWAGE DISPOSAL (ALL ASPECTS). WATER-SUPPLY (REGULATORY). SEWAGE COLLECTION & DISPOSAL (CENTRAL) (REGULATORY).

REGULATORY

DEVELOPMENT & RECLAMATION REVIEW : REGULATORY AGENCY: APPROVAL OF RECLAMATION PROGRAMS FOR COAL & OIL-SANDS PROJECTS.
HALL HA : RESPONSIBLE FOR MARINE ENVIRONMENTAL-PROTECTION POLICY DEVELOPMENT AND ENFORCEMENT OF REGULATORY INSTRUMENTS FOR POLLUTION-CONTROL AND OCEAN DUMPING. DIRECT THE PROVISION OF ADVICE CONCERNING ENVIRONMENTAL-IMPACT OF OFFSHORE EXPLORATION, AND ENVIRONMENTAL ADVICE AND RESPONSE TO MARINE EMERGENCIES.
PIMENTA JA : SAMPLING & ANALYSIS OF INDUSTRIAL & DOMESTIC WASTE & LANDFILL MATERIALS FOR HAZARDOUS INORGANIC COMPONENTS. WASTE CHARACTERIZATION & CLASSIFICATION FOR REGULATORY PURPOSES.
RUEL M : DIRECTOR-GENERAL OF ENVIRONMENTAL PROTECTION BRANCH, ARM OF REGULATORY AGENCY, CANADA OIL AND GAS LANDS ADMINISTRATION. ENSURES ADEQUATE ATTENTION IS BEING PAID TO ENVIRONMENTAL FACTORS REGARDING OIL AND GAS EXPLORATION, DEVELOPMENT AND DIRECT STUDIES TO ACHIEVE THIS GOAL.

REHABILITATION

BARKER DJ : PRACTICAL APPLICATIONS OF ECOLOGICAL CLASSIFICATION. SILVICULTURE PLANNING AND IMPLEMENTATION, INCLUDING REFORESTATION, STAND-TENDING AND REHABILITATION. WOOD RELATED INVENTORIES: BIOMASS; SAWN AND PULP PRODUCTS; FUELWOOD. FOREST-MANAGEMENT PLANNING; TIMBER YIELD ANALYSIS BY COMPUTER.
HAANA E : COMPUTER-MODELLING OF HAZARDOUS-WASTE, ACID-RAIN, WOOD ENERGY AND FISHERIES FOR POLICY AND DECISION ANALYSIS. DESIGN AND IMPLEMENTATION OF RESOURCE AND ENVIRONMENTAL MANAGEMENT PLANS AND REHABILITATION MEASURES. DEVELOPMENT OF ENVIRONMENTAL ANALYSIS METHODOLOGIES AND INFORMATION-SYSTEMS. BIOPHYSICAL INVENTORIES AND DATA-ANALYSIS FOR BACKGROUND TO PLANNING INITIATIVES.
INSTITUTE FOR ENVIRONMENTAL STUDIE : ENVIRONMENTAL-MANAGEMENT INCLUDING ENVIRONMENTAL PERCEPTION, GREAT-LAKES ECOSYSTEMS REHABILITATION, CLIMATE IMPACT-ASSESSMENT IMPACT OF THIRD-WORLD URBANIZATION, RISK-ASSESSMENT, IMPACTS OF ACID-RAIN AND METALS ON BIOLOGICAL SYSTEMS, MODELLING PATHWAYS OF TOXIC SUBSTANCES, ENVIRONMENTAL-TOXICOLOGY.
MCLELLAN AG : CENTRAL SCOTLAND: URBAN, INDUSTRIAL LAND REHABILITATION. GLACIAL GEOMORPHOLOGY IN SCOTLAND. AGGREGATE RESOURCES & EXTRACTION IN SCOTLAND.

REJETS-INDUSTRIELS

COTE R : ETUDES DE LA TOXICITE DES REJETS-INDUSTRIELS SUR L' ECOPHYSIOLOGIE DES POPULATIONS PLANCTONIQUES (PHYTOPLANCTON ET ZOOPLANCTON).

REMOTE-SENSING

ALBERTA REMOTE SENSING CENTER : SPECIALTY SERVICE CENTRE ASSISTING ALBERTANS IN ACQUISITION, ANALYSIS & APPLICATION OF REMOTE-SENSING IMAGERY FROM AIRCRAFT & SATELLITE SYSTEMS. RESEARCH & OPERATIONS RELATED TO ENVIRONMENTAL & NATURAL RESOURCES ASSESSMENT. MAINTENANCE OF STATE-OF-THE-ART IMAGE-ANALYSIS FACILITY AVAILABLE FREE TO USERS.
BURGESS LCN : FLOOD HAZARD EVALUATION THROUGH REMOTE-SENSING. ENVIRONMENTAL-PROTECTION. SUBUNIT'S EXPERTISE ALSO INCLUDES OCEANOGRAPHY, WILDLIFE, FISHERY & MARINE BIOLOGY, HYDROLOGY, GEOMORPHOLOGY, MARINE MAMMALS, ENVIRONMENTAL-ENGINEERING.
CARSWELL AI : LIDAR (LASER RADAR) DIAGNOSTICS OF THE ATMOSPHERE REMOTE-SENSING, ATMOSPHERIC OPTICS, LASER BEAM PROPAGATION AND SCATTERING IN THE ATMOSPHERE.
CHAMP DH : ICE INFORMATION SERVICE FOR REAL-TIME DECISION MAKERS. RESEARCH & DEVELOPMENT TO SUPPORT SERVICE IMPROVEMENTS; MODELLING OF ICE; ICE REMOTE-SENSING & RELATED APPLICATIONS.
HOFF RM : USE OF ACTIVE REMOTE-SENSING TECHNIQUES FOR AIR-POLLUTION RESEARCH DEVELOPMENT OF DIAL FOR DETECTION OF SULPHUR-DIOXIDE & OZONE & ACTIVE SPECTROSCOPIC TECHNIQUES.
HOWARD TE : INDUSTRIAL-HYGIENE. ENVIRONMENTAL HEALTH STUDIES. AIR-POLLUTION STUDIES: IMPACT OF AIR EMISSIONS, ACID-RAIN, ODOUR CONTROL. MODELLING ATMOSPHERIC DISPERSION OF AIR-POLLUTANTS. WATER STUDIES. UPTAKE OF METALS BY AQUATIC ORGANISMS. BIOASSAYS. WASTEWATER-TREATMENT. REMOTE-SENSING. LANDFILL LEACHATE CONTROL.
KESIK AB : GEOMORPHOLOGICAL & HYDROLOGICAL SURVEY AND MAPPING. REMOTE-SENSING OF NATURAL-RESOURCES. TERRAIN EVALUATION.
LAPP PA : REMOTE-SENSING: AIRCRAFT & SATELLITE. SCIENCE POLICY, INDUSTRIAL STRATEGIES, TECHNOLOGY-TRANSFER. SENSOR-SYSTEMS, INSTRUMENTATION.
LAWRENCE GR : RESOURCE EXPLORATION AND PRODUCTION SUPPORT, GROUNDWATER AND WASTE-SITE EVALUATION, WEATHER MODIFICATION AND METEOROLOGICAL SERVICES, REMOTE-SENSING AND BIOPHYSICAL STUDIES. PETROLEUM ENGINEERING, HYDROGEOLOGICAL, ATMOSPHERIC AND BIOPHYSICAL ASSESSMENTS.
LOUIE RH : BIOPHYSICAL SURVEYS (SOILS, SURFICIAL GEOLOGY, VEGETATION, WILDLIFE HABITAT, CLIMATE), LAND USE IN BRITISH-COLUMBIA & APPLICATIONS FOR AGRICULTURE, FORESTRY, WILDLIFE, WATER, FISH & OTHER LAND USE PLANNING, ASSESSMENT AND MONITORING. BASE MAP PRODUCTION (TOPOGRAPHIC, PLANIMETRIC AND CADASTRAL). REMOTE-SENSING.
LOWRY RT : RADAR REMOTE-SENSING; ICE MANAGEMENT SYSTEMS; ATMOSPHERIC MODELLING; GROUNDWATER MODELLING GEOLOGICAL TESTING, LAND-USE MAPPING; WEATHER MODIFICATION; APPLIED MECHANICS.

REMOTE-SENSING

MACLOCK B : FLOODPLAIN MANAGEMENT: INCLUDES FLOOD RISK MAPPING & FLOOD DAMAGE ESTIMATES. FLOOD PROOFING & FLOOD WARNING: TO REDUCE FLOOD DAMAGE POTENTIAL. DRAINAGE & WETLAND MANAGEMENT: MULTIDISCIPLINARY METHODS IN THE CONTEXT OF ECONOMIC EFFICIENCY AND ENVIRONMENTAL NEEDS. MEASURING AMOUNTS AND TYPES OF WETLANDS USING SATELLITE, REMOTE-SENSING & COLOUR-INFRARED AERIAL-PHOTOGRAPHY.

MATHEWS T : ACOUSTIC REMOTE-SENSING OF THE ATMOSPHERE USING MONOSTATIC & DOPPLER RADAR TO MEASURE TURBULENCE & WIND PROFILES TO STUDY CHINOOKS & OTHER MESOSCALE PHENOMENA & TO APPLY TO POLLUTION DISPERSION PROBLEMS.

MURTHA PA : REMOTE-SENSING & PHOTO INTERPRETATION: APPLICATION OF AERIAL-PHOTOGRAPHY, MULTISPECTRAL SCANNER, IMAGERY AND SATELLITE DATA FOR VEGETATION DAMAGE ASSESSMENT (INSECTS, DISEASE, AIR-POLLUTION) OR LAND-CLASSIFICATION AND TERRAIN ANALYSIS; COLOUR-INFRARED PHOTOGRAPHS; PC BASED IMAGE-ANALYSIS LANDSAT.

OSWALD ET : VEGETATION CLASSIFICATION AND MAPPING, PLANT ECOLOGY, FOREST RESOURCE ANALYSES AND ENVIRONMENTAL-IMPACT-ASSESSMENTS IN NORTH AND WEST CANADA. EXPERTISE IN VEGETATION CLASSIFICATION, SITE-ANALYSIS, PLANT-SUCCESSION, WETLANDS AND REMOTE-SENSING.

POLLETT FC : EXECUTIVE DIRECTOR OF INSTITUTE WHICH UNDERTAKES RESEARCH IN FOREST FIRE AND REMOTE-SENSING, FOREST STATISTICS AND SYSTEMS ANALYSIS, INTENSIVE FOREST-MANAGEMENT AND PUBLIC-AWARENESS PROGRAMS.

PROTZ R : SOIL GENESIS & CLASSIFICATION. SOIL FORMATION IN THE HUDSON & JAMES-BAY LOWLANDS. REMOTE-SENSING APPLICATIONS TO SOILS & AGRICULTURE. SOIL BIOLOGY & MICROPEDOLOGY.

RICHARDSON J : SCIENTIFIC ADVICE IN CANADIAN FORESTRY SERVICE RESEARCH IN THE FIELD OF FOREST PRODUCTIVITY, INCLUDING FOREST INVENTORY, GROWTH & YIELD, REMOTE-SENSING, THINNING, FERTILIZATION, MODELLING & IN FOREST BIOMASS PRODUCTION.

ROWSELL JA : CONSULTANT IN TERRESTRIAL-ECOLOGY: BIOCHEMICAL DYNAMICS; REMOTE-SENSING DATA-ANALYSIS; PHYTOTOXICOLOGY; INDUSTRIAL WASTE-MANAGEMENT; LAND APPLICATION OF WASTES; ENVIRONMENTAL-IMPACT-ASSESSMENT; ECOLOGICAL LAND-CLASSIFICATION; PEATLAND BIOLOGY; FLORA, FAUNA SURVEYS.

SCHREIER H : SOIL & SEDIMENT CHEMISTRY. TRACE-METAL CONTAMINATION. ASBESTOS IN THE ENVIRONMENT (SOIL, ROCKS, SEDIMENT, WATER, BIOTA). SOIL FERTILITY. REMOTE-SENSING.

SENYK JP : ECOSYSTEM IDENTIFICATION AND CHARACTERIZATION THROUGH REMOTE-SENSING AND GROUND-TRUTHING. EXPERTISE IN TERRAIN, SOIL CLASSIFICATION WITHIN AN ECOLOGICAL FRAMEWORK CONCENTRATING ON TEMPERATE COASTAL, CONTINENTAL AND SUBARCTIC ENVIRONMENTS.

SIMS RA : VEGETATION AND SITE-CLASSIFICATION OF BOREAL-FORESTS. SUBARCTIC WETLAND AND ARCTIC TUNDRA AREAS. FOREST-ECOSYSTEM CLASSIFICATION OF BOREAL NORTHERN ONTARIO. REMOTE-SENSING FOR VEGETATION STUDY; MAPPING AND INVENTORY (USING SATELLITE AND AERIAL-PHOTO DATA).

STEWART JM : PRODUCTION ACCUMULATION DYNAMICS OF PEATLAND; PEAT-CLASSIFICATION AND INVENTORY TECHNIQUES (REMOTE-SENSING); ECOLOGY OF WILD-RICE. UNGULATE RESPONSE TO HABITAT MANIPULATION; ECOLOGY OF HYDRO TRANSMISSION RIGHTS OF WAY.

THIE J : LANDSCAPE ECOLOGY, ECOLOGICAL RESEARCH. LAND-USE MONITORING, REMOTE-SENSING, LAND-CAPABILITY INVENTORIES, RESOURCE-MANAGEMENT, ENVIRONMENTAL-IMPACT-ASSESSMENT, GEO INFORMATION-SYSTEMS.

RENEWABLE-ENERGY

DOLENKO AJ : RESPONSIBILITIES RANGE FROM THE DEVELOPMENT OF FEDERAL BIOENERGY POLICY, TO THE CO-ORDINATION OF THE BIOENERGY RESEARCH AND DEVELOPMENT PROGRAM (BIOENERGY DEVELOPMENT PROGRAM), AND BIOENERGY INCENTIVE PROGRAMS FOREST INDUSTRY RENEWABLE-ENERGY PROGRAM) AND ALTERNATE ENERGY DEVELOPMENT PROGRAM (AEDP).

WINTER P : BIOMASS ENERGY DATA-BASES. BIOMASS. FUTURE TRENDS OF BIOMASS ENERGY. IMPACT OF TECHNOLOGY-TRANSFER. SOCIAL PSYCHOLOGICAL IMPACTS OF RENEWABLE-ENERGY.

RENEWABLE-RESOURCES

PEARSE PH : SPECIALIST IN THE ECONOMICS OF NATURAL-RESOURCES. WRITING RELATED TO GOVERNMENT POLICY ON MANAGEMENT OF RENEWABLE-RESOURCES (IN PARTICULAR, FORESTS, FISHERIES, & WATER-RESOURCES). CONSULTANT ON NATURAL-RESOURCES POLICY TO FOREIGN & CANADIAN GOVERNMENT. PROFESSOR OF FORESTRY; PROJECT LEADER: FOREST ECONOMICS & POLICY ANALYSIS PROJECT. FORMERLY: COMMISSIONER OF TWO MAJOR ROYAL COMMISSIONS OF INQUIRY ON RESOURCE POLICY (BRITISH-COLUMBIA FOREST RESOURCES & PACIFIC FISHERIES); CHAIRMAN OF PUBLIC INQUIRY ON FEDERAL WATER POLICY.

REPELLENTS

SHEMANCHUK JA : INVESTIGATING METHODS OF PROTECTING CATTLE AND HUMANS FROM BLOOD-SUCKING FLIES THROUGH USE OF REPELLENTS, BIOLOGICAL AGENTS AND MANAGEMENT PRACTICES IN AN ATTEMPT TO REDUCE THE DEPENDENCE ON CHEMICAL PESTICIDES.

REPLANTING

GAGNON D : VEGETATION ENVIRONMENT RELATIONSHIPS WITH APPLICATIONS TO FOREST-MANAGEMENT (REPLANTING), IN SOUTHWESTERN QUEBEC AND VANCOUVER-ISLAND, BRITISH-COLUMBIA. ECOLOGY AND DEMOGRAPHY OF PERENNIAL FOREST HERBS.

REPRODUCTION

COX RM : EFFECTS OF AIR-POLLUTION ON FOREST PLANT REPRODUCTION & PRODUCTIVITY INCLUDING EFFECTS OF ACID-RAIN OR ACID-FOG & TRACE-ELEMENTS. EVALUATION TRACE-ELEMENT TOLERANCE IN NATIVE PLANTS.
DONALDSON EM : SALMONID CULTURE ESPECIALLY CONTROLLED REPRODUCTION, STRESS RESPONSES GROWTH CONTROL, AND CHROMOSOME SET MANIPULATION.
FORMAN RM : AERIAL-PHOTO INTERPRETATION: MILITARY PHOTO INTELLIGENCE; METEOROLOGICAL SATELLITE PHOTO INTERPRETATION: REPRODUCTION AND DISTRIBUTION OF WEATHER SATELLITE IMAGERY: FACSIMILE TRANSMISSION AND RECEPTION EQUIPMENTS: PUBLISHED A GUIDE TO THE INTERPRETATION OF SATELLITE CLOUD PHOTOS.
HARA TJ : PHYSIOLOGICAL, BIOCHEMICAL, MORPHOLOGICAL & BEHAVIORAL STUDIES ON CHEMORECEPTION IN FISH; ITS ROLE IN MIGRATION & REPRODUCTION; ITS APPLICATION TO FISHING & AQUACULTURE; & ITS INTERACTIONS WITH TOXIC CHEMICALS & ACID-PRECIPITATION.
HAVAS M : EFFECTS OF LOW PH AND METALS (A1, ZN, NI, FE, CA, ETC) ON SURVIVAL, REPRODUCTION, SODIUM REGULATION CHEMICAL-COMPOSITION OF AQUATIC INVERTEBRATES FROM BOTH ARCTIC (SMOKING HILLS, NWT) AND TEMPERATE REGIONS. METAL CONTENT AND LOCALIZATION IN AQUATIC MACROPHYTES. EFFECTS OF ALUMINUM ON SUGAR-MAPLE DIEBACK.
HOLDWAY DA : FISH-TOXICOLOGY: CHRONIC & ACUTE EFFECTS OF PESTICIDES (METHOXYCHLOR, PERMETHRIN), HERBICIDES (GLYPHOSATE), & METALS (VANADIUM) ON SURVIVAL, GROWTH & REPRODUCTION OF FLAGFISH & WHITE SUCKERS; EFFECTS ON BRAIN NEUROTRANSMITTERS & BIOENERGETICS. DEVELOPED TECHNIQUE FOR MEASURING DIMETHYL-SULFIDE AT PARTS PER TRILLION LEVELS IN FRESHWATER.
LECHOWICZ MJ : ECOLOGY OF PLANT PRODUCTIVITY. CONTROLS ON PLANT GROWTH AND REPRODUCTION, ESPECIALLY FOR ANNUAL WEEDS LIKE XANTHIUM-STRUMARIUM. NATURAL TREE DEFENSES AGAINST LEAF-FEEDING CATERPILLARS. CLIMATIC CONTROL OF LICHEN PRODUCTIVITY. ACID-RAIN EFFECTS ON LICHEN PRODUCTIVITY.
MACKAY WC : ENVIRONMENTAL PHYSIOLOGY OF FISH PARTICULARLY ENERGETICS (SWIMMING, GROWTH, REPRODUCTION) OF TEMPERATE FRESHWATER FISH. FACTORS WHICH AFFECT GROWTH RATE INCLUDING LATITUDE, TEMPERATURE, COMPETITION. REPRODUCTIVE STRATEGIES.
SUTTERLIN AM : AQUACULTURE; FISHERIES; FISH REPRODUCTION, BEHAVIOUR AND PHYSIOLOGY.
ZAMMUTO RM : RELATIONSHIPS AMONG VARYING ENVIRONMENTAL CONDITIONS AND LIFE-HISTORIES OF BIRD AND MAMMAL POPULATIONS IN MONTANE OR BOREAL AREAS. TERRESTRIAL-ECOLOGY, ZOOLOGY, SURVIVAL, WILDLIFE, NON-GAME, REPRODUCTION, ORNITHOLOGY, WEATHER, BIOMETEOROLOGY, BIOMETRICS, BOREAL, CLIMATE, CONSERVATION, METEOROLOGY, MAMMAL POPULATION.

REPRODUCTIVE

COOK RH : AQUACULTURE DEVELOPMENT (ATLANTIC SALMON, AMERICAN LOBSTER, SEA SCALLOPS) GROWTH & REPRODUCTIVE PHYSIOLOGY, DISEASE & NUTRITION, DIET FORMULATIONS, METHODS OF DISEASE-PREVENTION, GENETICS. POLLUTION EFFECTS ON FISH: ECOLOGICAL STUDIES, SUBLETHAL BIOLOGICAL EFFECTS, METHODS, DETECTION & ANALYSIS OF TRACE ORGANIC & INORGANIC TOXIC-CHEMICALS.
DRUEHL LD : KELP: DEVELOPMENT OF MARICULTURAL SYSTEMS; REPRODUCTIVE BIOLOGY; RECOMBINANT DNA STUDIES.
MACKAY WC : ENVIRONMENTAL PHYSIOLOGY OF FISH PARTICULARLY ENERGETICS (SWIMMING, GROWTH, REPRODUCTION) OF TEMPERATE FRESHWATER FISH. FACTORS WHICH AFFECT GROWTH RATE INCLUDING LATITUDE, TEMPERATURE, COMPETITION. REPRODUCTIVE STRATEGIES.
NERI LC : ENVIRONMENTAL-POLLUTION, INDOOR-AIR, VDT'S & REPRODUCTIVE EPIDEMIOLOGY, LEAD, MAGNESIUM & HEART-DISEASE. CONDUCT OF EPIDEMIOLOGICAL-STUDIES, CRITICAL REVIEWS OF LITERATURE, DESIGN OF INVESTIGATIONS.
NETTLESHIP DN : HEAD LONG-TERM RESEARCH PROGRAM ON REPRODUCTIVE AND PELAGIC-ECOLOGY OF SEABIRD POPULATIONS IN NORTH-WEST ATLANTIC, PARTICULARLY ATLANTIC CANADA AND EASTERN CANADIAN ARCTIC. PUBLICATIONS INCLUDE: "ATLAS OF EASTERN CANADIAN SEABIRDS", "ECOLOGICAL SITES IN NORTHERN CANADA", "CONSERVATION OF MARINE BIRDS OF NORTHERN NORTH-AMERICA", AND "THE THICK-BILLED MURRES OF PRINCE-LEOPOLD ISLAND: BREEDING ECOLOGY OF A COLONIAL HIGH ARCTIC SEABIRD."
SMITH LF : EPIDEMIOLOGICAL-STUDIES: POPULATION BASED INFORMATION-SYSTEMS FOR ONTARIO INCLUDING CANCER & REPRODUCTIVE OUTCOMES, POPULATION MONITORING FOR LEAD & PCBS, OUTBREAK INVESTIGATIONS.

RESERVOIR

RESERVOIR

ADAMS BJ : WATER-RESOURCES SYSTEMS ANALYSIS: PLANNING, DESIGN, OPERATION AND MANAGEMENT; WATER-QUALITY MANAGEMENT; REGIONAL WASTEWATER MANAGEMENT; APPLICATIONS OF SYSTEMS ANALYSIS (STATISTICAL, SIMULATION, AND OPTIMIZATION) TECHNIQUES TO ENVIRONMENTAL SYSTEMS; RESERVOIR ANALYSIS; HYDROLOGIC MODELLING; STORMWATER MANAGEMENT; FLOOD CONTROL AND DRAINAGE; IRRIGATION; HYDROLOGIC & METEOROLOGIC DATA-ANALYSIS URBAN WATER SYSTEMS.
BINGHAM DK : MONITORING OF INDUCED SEISMICITY IN THE AREAS OF HEAVY OIL EXTRACTION, ABANDONED COAL MINE (TURTLE-MOUNTAIN) & RESERVOIR (OLDMAN RIVER).
DUTHIE HC : ECOLOGY AND TAXONOMY OF PHYTOPLANKTON AND PERIPHYTON. RESERVOIR BIOLOGY AND MODELLING; ALGAL-SYSTEMATICS; PALEOLIMNOLOGY AND DIATOMS.
DYKSTRA TL : RECREATIONAL LAND-USE PLANNING: FOR RESERVOIRS, RESERVOIR SHORELINES & RIVER VALLEYS TO PROTECT WATER-RESOURCE MANAGEMENT OBJECTIVES.
HECKY RE : PALEOLIMNOLOGY AND LIMNOLOGY OF AFRICAN GREAT LAKES; RESERVOIR LIMNOLOGY; PHYTOPLANKTON AND DIATOM ECOLOGY; AQUATIC PRIMARY PRODUCTIVITY; CYCLING AND BIOACCUMULATION OF MERCURY.
SIMPSON F : POROSITY PERMEABILITY VARIATION IS RELATED TO LITHOLOGIC ASSOCIATIONS AND SEDIMENTARY STRUCTURE IN SEARCH RATIONALES, APPLIED TO RESERVOIR DEVELOPMENT IN EXPLOITATION OF HYDROCARBONS AND DEEP-WELL DISPOSAL OF FLUID, INDUSTRIAL-WASTES.

RESERVOIRS

CHARLTON SED : PHYCOLOGY, LIMNOLOGY OF RUNNING WATER, LAKES & RESERVOIRS.
COLWELL DW : NATIONAL CENTRE OF COMPETENCE CONCERNED WITH APPLICATION OF METEOROLOGICAL KNOWLEDGE AND DATA TO STUDIES DEALING WITH PROBLEMS OF THE FRESH AND SALT WATER ENVIRONMENTS (HYDROLOGY, WATER-RESOURCES, OCEANS, LAKES AND RESERVOIRS).
DYKSTRA TL : RECREATIONAL LAND-USE PLANNING: FOR RESERVOIRS, RESERVOIR SHORELINES & RIVER VALLEYS TO PROTECT WATER-RESOURCE MANAGEMENT OBJECTIVES.
FRENETTE M : EROSION DES SOLS; TRANSPORT SOLIDE; SEDIMENTATION DANS LES LACS, RESERVOIRS & ESTUAIRES; STABILITE & MORPHOLOGIE DES COURS D'EAU. CONTAMINATION DES EAUX-SOUTERRAINES. MIGRATION DES POLLUANTS EN MILIEU PARTIELLEMENT SATURE.
MOREAU G : EFFETS DES PLUIES-ACIDES SUR LA FAUNE BENTHIQUE ET SUR LES POISSONS, EN PARTICULIER L' OMBLE-DE-FONTAINE (SALVELINUS-FONTINALIS). ECOLOGIE DES LACS DE RESERVOIRS.
PINEL-ALLOUL B : ECOLOGIE-AQUATIQUE; ZOOPLANCTON; INTERACTIONS TROPHIQUES, PHYTOZOOPLANCTON. ECOTOXICOLOGIE: EFFETS DES METAUX-LOURDS ET DES POLLUANTS ASSOCIE AUX SEDIMENTS SUR LE ZOOPLANCTON. ENVIRONNEMENT: EFFETS DE LA MISE EN EAU DES RESERVOIRS NORDIQUES SUR LE ZOOPLANCTON.
TONES PI : SURFACE WATER-QUALITY OF PRAIRIE RIVERS & RESERVOIRS; IMPACT OF MINING ESPECIALLY URANIUM MINING ON AQUATIC SYSTEMS; DEVELOPMENT OF WATER-QUALITY OBJECTIVES.

RESIDUE

AHMAD I : METHODS DEVELOPMENT & TRACE RESIDUE ANALYSIS OF PESTICIDES (HERBICIDES, INSECTICIDES, PLANT GROWTH REGULATORS), METABOLITES, PCBS, ORGANICS IN ENVIRONMENTAL & AGRICULTURAL MATRICES. ORGANIC SYNTHESIS. REACTIONS IN ORGANIC-CHEMISTRY.
CHARNETSKI WA : RELATIONSHIP OF AERIAL & GROUND APPLICATION OF AGRICULTURAL SPRAYS TO INSECT-CONTROL & PLANT DENSITY TO CROP CANOPY PENETRATION ON ALFALFA & CEREALS. EVALUATION OF INSECTICIDES & THEIR SAFETY TO BENEFICIAL INSECTS INCLUDING LEAFCUTTER-BEES. INSECTICIDE RESIDUE DYNAMICS IN TERRESTRIAL & AQUATIC-ECOSYSTEMS.
KURYS JG : TOXICOLOGICAL EVALUATION OF VOLATILE CHEMICALS IN AMBIENT AIR FOR EFFECTS USING HUMAN FAT & MILK; BOVINE-FAT & MILK; PORCINE-FAT & AVIAN SPECIES FOR RESIDUE ANALYSIS; RAW MILK; RAW & TREATED WATER; SOIL & VEGETABLES. SECOND PART OF RESEARCH CARRIED OUT ON METABOLIC PROCESSES AND THEIR MODE OF ACTION.
ROSLYCKY EB : IMPACT OF HERBICIDES AND OTHER PESTICIDES ON SOIL MICROFLORA IN RELATION TO BASIC SOIL PHYSIOLOGICAL PROCESSES, INCLUDING NITROGEN FIXATION, SOIL FERTILITY, PESTICIDE ACCUMULATION, RESIDUE FORMATION AND EFFECTS OF VARIOUS AMENDMENTS, INCLUDING BIOTIC ON ITS BREAKDOWN.

RESIDUES

CURRIE RA : MONITORING OF FOODS FOR PESTICIDE RESIDUES INCLUDING ORGANOCHLORINE AND ORGANOPHOSPHORUS INSECTICIDES AND VARIOUS HERBICIDES.
FRIEDRICH FD : PILOT SCALE RESEARCH & FULL SCALE DEMONSTRATION ON ATMOSPHERIC FLUIDIZED BED COMBUSTION TO UTILIZE HIGH ASH, HIGH SULPHUR FUELS (COAL, REFINING RESIDUES) FOR INDUSTRIAL STEAM OR THERMAL POWER.
GAYNOR JD : PERSISTENCE, DEGRADATION, MOVEMENT & LEACHING OF HERBICIDES. METABOLISM OF HERBICIDES BY PLANTS & ANALYSIS OF HERBICIDE RESIDUES IN CROPS. METHOD DEVELOPMENT FOR HERBICIDE ANALYSIS IN VARIOUS SUBSTRATES. INSTRUMENTAL ANALYSIS USING GAS, LIQUID & THIN LAYER CHROMATOGRAPHY, MASS-SPECTROSCOPY.
KOBYLNYK R : SURVEYS OF PESTICIDE RESIDUES IN AREAS WHERE SURFACE & GROUNDWATER CONTAMINATION MAY OCCUR.
MES J : RESEARCH AND MONITORING OF HALOGENATED HYDROCARBON RESIDUES IN VARIOUS HUMAN AND MONKEY-TISSUES AND FLUIDS, INCLUDING MOTHER'S MILK.

RESIDUES

SIDHU SS : EFFECTS OF FLUORIDES IN THE ATMOSPHERE ON PLANTS & SOILS. EFFECTS OF SIMULATED ACID-RAIN ON PLANT POLLEN; BAFFERING CAPACITY OF PLANT SPECIES. EFFECTS OF HERBICIDES ON TARGET & NON-TARGET SPECIES; RESIDUES IN SOILS & PLANTS AND MOVEMENT OF HERBICIDES IN SOILS.
TRENHOLM HL : TOXICOLOGY OF MYCOTOXINS IN ANIMAL FEEDS FOR LIVESTOCK AND POULTRY. METABOLISM OF MYCOTOXINS. DETOXIFICATION OF NATURAL CONTAMINANTS & TOXIC RESIDUES IN ANIMAL PRODUCTS.
WOTTON DL : LEAD: DEPOSITION & ACCUMULATION IN URBAN SOILS, SMELTER EMISSIONS, EXHAUST, PAINT RESIDUES. FOREST: EFFECTS FROM MINING SMELTERS ON VEGETATION & SOIL, NORTHERN BOREAL-FOREST ECOSYSTEMS, CONIFEROUS REGENERATION IMPACTS FROM HEAVY-METAL CONTAMINATED SOILS. SOIL & GEOLOGY SENSITIVITY MAPPING FOR ACID-RAIN. HERBICIDES.

RESINEUX

HARDY Y : PROTECTION DES FORETS CONTRE LES INSECTES ET LES MALADIES; EPIDEMIOLOGIE ET LES MOUVEMENTS DES POPULATIONS D'INSECTES AINSI QUE L'ETUDE DES CHAMPIGNONS-PATHOGENES. LA CULTURE DE SEMIS EN CONTENEURS, LA SYLVICULTURE DES RESINEUX ET DES FEUILLUES, LA TELEDETECTION, LA GENETIQUE.

RESINS

HARRIS IWE : TECHNOLOGY, ENGINEERING AND REGULATIONS RELATING TO OCCUPATIONAL-HEALTH, WASTE-MANAGEMENT (AIR, WATER, LAND) AND PRODUCT LIABILITY. SYNTHETIC ELASTOMERS AND RESINS.

RESOURCE-MANAGEMENT

ILLINGWORTH K : RESEARCH IN SILVICULTURE, BIOMETRICS & SYSTEMS, ECOLOGY & EARTH SCIENCES, INTEGRATED RESOURCE-MANAGEMENT, TREE PHYSIOLOGY & TREE IMPROVEMENT TO SOLVE PROBLEMS IN FOREST & RANGE MANAGEMENT.
KERR DC : ENVIRONMENTAL-IMPACT-ASSESSMENT ON AQUATIC & TERRESTRIAL ENVIRONMENTS; WATER-QUALITY ASSESSMENT; WETLAND PRESERVATION. WATER-QUALITY INSTREAM COMPUTER-MODELLING; HYDRODYNAMIC-MODELLING; ENVIRONMENTAL-PLANNING & RESOURCE-MANAGEMENT.
KITCHEN CM : APPLICATION OF ENVIRONMENTAL SCIENCES TO PLANNING AND DESIGN ENGINEERING, DECISION MAKING; ENVIRONMENTAL-ASSESSMENT; SOILS & AGRICULTURE; FORESTRY, RECREATION, RESOURCE-MANAGEMENT. NATURAL AREAS RESEARCH.
LANG RS : ENVIRONMENTAL & SOCIAL IMPACT-ASSESSMENT. INTEGRATED LAND AND WATER PLANNING. WASTE-MANAGEMENT PLANNING. INTEGRATED RESOURCE-MANAGEMENT. PLANNING THEORY & PRACTICE.
O'GORMAN DK : ENVIRONMENTAL, ECONOMIC & SOCIO-ECONOMIC EVALUATION OF MAJOR ENERGY PROJECTS & ENERGY EXPORTS; DRAFTING OF FORMAL APPROVAL CONDITIONS. INTEGRATED RESOURCE-MANAGEMENT & REGIONAL PLANNING, EMPHASIZING CONFLICT RESOLUTION & WORKABLE SOLUTIONS.
SIFTON TE : TECHNIQUES FOR INTEGRATED RESOURCE-MANAGEMENT OF PUBLIC LANDS; ENVIRONMENTAL-IMPACT OF SPECIFIC USES OF LAND & WATER; METHODS OF REAL PROPERTY APPRAISAL.
TELEKI GC : ENGINEERING & BIOLOGICAL SCIENCES RELATED ENVIRONMENTAL-ASSESSMENT & MONITORING. ENVIRONMENTAL (NATURAL) RESOURCE-MANAGEMENT MODELLING. ENVIRONMENTAL-IMPACT-ASSESSMENT. FISHERIES & AQUATIC SCIENCES.
THIE J : LANDSCAPE ECOLOGY, ECOLOGICAL RESEARCH, LAND-USE MONITORING, REMOTE-SENSING, LAND-CAPABILITY INVENTORIES, RESOURCE-MANAGEMENT, ENVIRONMENTAL-IMPACT-ASSESSMENT, GEO INFORMATION-SYSTEMS.

RESOURCE-PLANNING

CRAIN IK : GEOGRAPHIC INFORMATION-SYSTEMS AS APPLIED TO RESOURCE-PLANNING AND MODELLING.
MEAD DA : RESOURCE-PLANNING; DATA-QUALITY ASSESSMENT, FORESTRY.

RESPIRATORY

HOUSTON AH : RESPIRATORY ADAPTATIONS TO TEMPERATURE AND OXYGEN AVAILABILITY, HEMOGLOBIN OXYGEN AFFINITY MODULATORS, EFFECTS OF WATERBORNE POLLUTANTS ON ADAPTIVE CAPABILITY.
SILVERMAN F : RESPIRATORY EFFECTS OF AIR-POLLUTION ON ASTHMATIC AND HEALTHY NON-ASTHMATICS: A) CONTROLLED HUMAN EXPOSURES IN AN ENVIRONMENTAL CHAMBER (OZONE, SULPHUR-DIOXIDE, CIGARETTE-SMOKE), B) DAILY VARIATIONS IN EXPOSURE (INDOOR, OUTDOOR AND PERSONAL MONITORING).

RESSOURCE-EAU

INRS-EAU : RECHERCHE MULTIDISCIPLINAIRE; ENSEIGNEMENT MULTIDISCIPLINAIRE; CENTRE DE RECHERCHE; RECHERCHE UNIVERSITAIRE; ENVIRONNEMENT EAU; RESSOURCE-EAU; ECOLOGIE EAU; HYDROLOGIE; HYDROBIOLOGIE; LIMNOLOGIE; ASSAINISSEMENT-EAU; TRAITEMENT-EAUX-USEES.
SLIVITZKY M : HYDROLOGIE; RESSOURCE-EAU; ENVIRONNEMENT EAU; ENVIRONNEMENT-AQUATIQUE.

RESSOURCE-EAU

RESTAURATION

PLAMONDON AP : EVALUATION-DES-IMPACTS DES OPERATIONS FORESTIERES SUR LE REGIME ET LA QUALITE-DE-L'EAU. RESTAURATION DES BASSINS HYDROGRAPHIQUES DETERIORES PAR L' EROSION EN MILIEUX HUMIDES, SEC OU MONTAGNEUX.

RESTORATION

BARICA J : LIMNOLOGY OF EUTROPHIC LAKES: NUTRIENT AND OXYGEN REGIMES. FORMATION OF ALGAL BLOOMS: CYANOPHYTA ECOLOGY, ALGAL CONTROL, PREDICTIONS OF LAKE PRODUCTIVITY: CAUSES AND REMEDIES OF MASSIVE FISH MORTALITIES (SUMMER AND WINTER FISH KILLS); NUTRIENT CONTAMINANTS INTERACTIONS; LAKE RESTORATION.

BECKETT PJ : MOSS, LICHEN & MACROFUNGI AS BIOMONITORS OF ECOSYSTEM METAL BURDENS: GEOBOTANICAL-PROSPECTING EFFECTS OF METALS ON TERRESTRIAL-ECOSYSTEMS. RESTORATION OF ACID, METAL STRESSED LAND.

BOYD FC : SENIOR MANAGER, ADMINISTRATION TECHNICAL SUPERVISION, MULTIPLE RESOURCE USE, FISH-HABITAT PROTECTION AND MANAGEMENT. ENVIRONMENTAL-IMPACT-ASSESSMENTS; MULTIPLE USE PLANNING AND POLICY DEVELOPMENT. HABITAT INVENTORY, RESTORATION AND DEVELOPMENT PLANNING.

LEBLANC PJ : THE FISH-HABITAT DIVISION PROVIDES THE SCIENTIFIC AND TECHNICAL ASSESSMENT, INVESTIGATION AND RESEARCH REQUIRED FOR THE CONSERVATION, RESTORATION AND DEVELOPMENT OF FRESHWATER AND MARINE FISH-HABITAT RESOURCE BASE OF THE GULF REGION.

LEVINGS CD : ESTUARINE ECOLOGY OF BENTHOS & FISH. PHYSICAL IMPACTS ON WETLANDS SUPPORTING FISHERIES RESOURCES. RIVER ECOLOGY & EFFECTS OF BANKSIDE & RIPARIAN HABITAT DISRUPTION. BENTHIC ECOLOGY & COMMUNITIES IN FIORDS. ESTUARINE & RIVERINE HABITAT RESTORATION.

MACLEOD JC : FISH HABITAT MANAGEMENT. DEVELOPMENT OF POLICIES & PROGRAMS IN DFO & PROVISION OF ADVICE TO SENIOR MANAGEMENT ON CONSERVATION, RESTORATION & DEVELOPMENT OF FISH-HABITAT SUSTAINING CANADA'S IMPORTANT FISHERIES RESOURCES.

REUSE

FORRESTAL BJ : REDUCTION, REUSE, RECYCLE, RECOVERY, EXCHANGE OF INDUSTRIAL-WASTES. REPORTS ON FOOD AND METAL FINISHING INDUSTRIES. LANDFILL GAS GENERATION. REGULATION COMPLIANCE CONSULTING AND TESTING. ENVIRONMENTAL SURVEYS. ONTARIO WASTE EXCHANGE OPERATION. NOVEL WASTE-TREATMENT USING PEAT.

HRUDEY SE : INDUSTRIAL WASTE-MANAGEMENT, PETROLEUM, ORGANIC CHEMICAL, OIL-SANDS, FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION CONTROL; WATER RECLAMATION AND REUSE; HAZARDOUS TOXIC-WASTE, MANAGEMENT, DISPOSAL; INDUSTRIAL BIOTECHNOLOGY; ANAEROBIC TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT; RISK-ASSESSMENT; HAZARD IDENTIFICATION CONTROL.

REVEGETATION

ABOUGUENDIA Z : REVEGETATION STUDIES OF LAND DISTURBED BY MINING ACTIVITIES (E.G. URANIUM TAILINGS, COAL SPOILS). ECOLOGICAL BASELINE STUDIES AND ENVIRONMENTAL-IMPACT-ASSESSMENT. RANGE ECOLOGY & PRODUCTIVITY. RESPONSE OF PLANTS TO AIRBORNE POLLUTANTS.

GAGNON JY : ECOLOGIE VEGETALE. TELEDETECTION. ETUDES D' IMPACT-ENVIRONNEMENTAL. REVEGETATION DE SITES POLLUES. BIOACCUMULATION DE METAUX-LOURDS.

NEILSON JM : MINERAL EXPLORATION. MINE DEVELOPMENT. MINE-TAILINGS DISPOSAL. SOLID & LIQUID-WASTE DISPOSAL. REGENERATION OF MINED AREAS. REVEGETATION. TEMPERATE & TROPICAL. SURFACE & SUBSURFACE POLLUTION. ACID-RAIN RESEARCH (CANADA & NORWAY). WELL DRILLING: SUBSURFACE WATER-SUPPLY.

POLLOCK WS : FOREST RESEARCH AND MANAGEMENT SPECIALIZING IN PRIVATE LAND. POLICY, SILVICULTURE, REFORESTATION, REVEGETATION, FOREST INVENTORY. GROWTH STUDIES.

TORRENUEVA AL : MONITORING ENVIRONMENTAL-IMPACT ASSOCIATED WITH CONSTRUCTION & OPERATION OF ELECTRIC GENERATING STATIONS (THERMAL, HYDRAULIC & NUCLEAR). NUCLEAR). RESEARCH ON THE EFFECTS OF ACID-DEPOSITION & OTHER AIR-POLLUTANTS ON BIOLOGICAL SYSTEMS. REVEGETATION OF ASH DISPOSAL AREAS.

RHIZOBIUM

JORDAN DC : BIOLOGICAL NITROGEN FIXATION REGARDING RHIZOBIA LEGUMINOUS PLANT ASSOCIATION. SYSTEMATICS OF RHIZOBIUM AND BRADYRHIZOBIUM. CARBON-DIOXIDE FIXATION BY RHIZOBIA. POWDER TYPE LEGUME INOCULANTS.

RHYZOBIAL

TU CM : INTERACTION BETWEEN PESTICIDES AND SOIL MICROORGANISMS. DEVELOPMENT OF FUNGICIDE RESISTANT RHYZOBIAL BACTERIA. FEASIBILITY OF USING ENTOMOPHTHORA-MUSCAL TO CONTROL DIPTEROUS INSECTS.

RISK-ANALYSIS

KRUUS P : ANALYSIS OF THE CONTROVERSIES SURROUNDING VARIOUS CHEMICALS. JOINT EDITOR OF "CONTROVERSIAL CHEMICALS: A CITIZEN'S GUIDE", MULTISCIENCE, MONTREAL, 1979, REVISED SECOND EDITION. PUBLISHED JOINTLY BY MULTISCIENCE AND THE CHEMICAL INSTITUTE OF CANADA, 1984. RISK-ANALYSIS.

MARSAN A : IMPACT-ASSESSMENT, RISK-ANALYSIS, RESOURCE INVENTORIES AND SITE ROUTE SELECTION STUDIES FOR INDUSTRIES, PORTS, TRANSMISSION LINES ETC. DESIGNED & IMPLEMENTED DECONTAMINATION WASTE & WATER-TREATMENT PROJECTS.

RISK-ASSESSMENT

BIRMINGHAM BC : DEVELOPMENT OF SCIENTIFIC CRITERIA DOCUMENTS FOR ENVIRONMENTAL STANDARDS MULTI-MEDIA APPROACH. TOXICOLOGICAL ASSESSMENT, ENVIRONMENTAL FATE MODELLING, RECEPTOR EXPOSURE MODELLING, RISK-ASSESSMENT. CHLORINATED DIOXINS & DIBENZOFURANS, PCBS, POLYNUCLEAR-AROMATIC-HYDROCARBONS & PESTICIDES.

BURTON I : RISK-ASSESSMENT, NATURAL HAZARDS. ENVIRONMENTAL HAZARDS & RISKS. PERCEPTION OF ENVIRONMENT. IMPACT-ASSESSMENT.

HRUDEY SE : INDUSTRIAL WASTE-MANAGEMENT, PETROLEUM, ORGANIC CHEMICAL, OIL-SANDS, FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION CONTROL; WATER RECLAMATION AND REUSE; HAZARDOUS TOXIC-WASTE, MANAGEMENT, DISPOSAL; INDUSTRIAL BIOTECHNOLOGY; ANAEROBIC TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT; RISK-ASSESSMENT; HAZARD IDENTIFICATION CONTROL.

INSTITUTE FOR ENVIRONMENTAL STUDIE : ENVIRONMENTAL-MANAGEMENT INCLUDING ENVIRONMENTAL PERCEPTION, GREAT-LAKES ECOSYSTEMS REHABILITATION, CLIMATE IMPACT-ASSESSMENT IMPACT OF THIRD-WORLD URBANIZATION, RISK-ASSESSMENT, IMPACTS OF ACID-RAIN AND METALS ON BIOLOGICAL SYSTEMS, MODELLING PATHWAYS OF TOXIC SUBSTANCES, ENVIRONMENTAL-TOXICOLOGY.

MORAN EJ : HEALTH RISK-ASSESSMENT. COMMUNITY HEALTH MONITORING. CONSENSUS PANELS ON MEDICAL ASPECTS OF ENVIRONMENTAL PROBLEMS. ROLE OF THE PHYSICIAN IN ENVIRONMENTAL MATTERS. PROFESSIONAL EDUCATION.

PALMER MD : WATER-QUALITY STUDIES AND PREDICTION MODELLING; BEACH BACTERIA CONTAMINANT MANAGEMENT STUDIES; OUTFALL AND INTAKE STUDIES AND DESIGN; DISPERSION AND TRANSPORT IN COASTAL REGIONS; HAZARDOUS-CHEMICALS MIXING ZONE PREDICTIONS AND RISK-ASSESSMENT; WATER-QUALITY MANAGEMENT PLANNING MODELS.

SADAR MH : SCIENTIFIC ADVISOR TO FEARO AND THE SECRETARIAT OF ENVIRONMENTAL-ASSESSMENT PANELS. MEMBER FEARO RESEARCH MANAGEMENT TEAM, MANAGER OF CANADIAN ENVIRONMENTAL-ASSESSMENT RESEARCH COUNCIL (CEARC) SECRETARIAT. RESEARCH INTERESTS INCLUDE SOCIAL IMPACT, CUMULATIVE IMPACTS, MONITORING, POST-AUDIT AND RISK-ASSESSMENT.

SIMS MP : PROVINCIAL RESEARCH PROGRAMS ON ACID-DEPOSITION, AIR-QUALITY & CLIMATE, RECLAMATION, WATER-RESOURCES; WATER-TREATMENT & WASTE-MANAGEMENT, ENVIRONMENTAL CONTAMINANTS. INTERESTS IN RISK-ASSESSMENT, BIOTECHNOLOGY & LAND RESOURCE INVENTORY.

SMITH JW : INDUSTRIAL-HYGIENE ENGINEERING AND POLLUTION-CONTROL, CERTIFIED INDUSTRIAL HYGIENIST AND DESIGNATED SPECIALIST IN OCCUPATIONAL-HEALTH AND SAFETY, IMPACT AND RISK-ASSESSMENT, AIR-QUALITY MONITORING.

ST PIERRE CC : AIR-POLLUTION CONTROL; WET-SCRUBBERS; SOURCE EMISSION MEASUREMENTS; RISK-ASSESSMENT; INDOOR AIR-POLLUTION MODELLING & MEASUREMENT; QUANTIFICATION OF ODOUR IMPACT LABORATORY ANALYSIS AND DISPERSION MODELLING.

RISK-MANAGEMENT

STOKES DW : PUBLIC ATTITUDES TOWARD ENVIRONMENT. PUBLIC EDUCATION. RISK-MANAGEMENT. ENVIRONMENTAL EMERGENCIES. PUBLIC-PARTICIPATION.

RISKS

BURTON I : RISK-ASSESSMENT, NATURAL HAZARDS. ENVIRONMENTAL HAZARDS & RISKS. PERCEPTION OF ENVIRONMENT. IMPACT-ASSESSMENT.

RISQUE-ENVIRONNEMENT

SASSEVILLE JL : IMPACT-ENVIRONNEMENTAL; ENVIRONNEMENT-AQUATIQUE; EVALUATION-DES-IMPACTS; ENVIRONNEMENT EAU; ECOSYSTEME AQUATIQUE; RESSOURCE EAU; GESTION-EAU; PLANIFICATION-EAU; ADMINISTRATION EAU; DEVELOPPEMENT EAU; DECISION EAU; PREVISION EAU; CONTROLE-EAU; EVALUATION RISQUE-ENVIRONNEMENT; UTILISATION EAU; UTILISATION ENVIRONNEMENT; UTILISATION RESSOURCE EAU; APPROCHE SYSTEMIQUE; METHODOLOGIE EVALUATION; ANALYSE DE SYSTEME.

RIVER

BELTAOS S : RIVER ICE BREAKUP AND ICE JAMS. FIELD OBSERVATIONS, LABORATORY AND THEORETICAL INVESTIGATIONS. MAIN CONCERNS: EFFECTS ON FLOODING AND ALLEVIATION MEASURES; SHORT AND LONG-TERM FORECASTING; ENVIRONMENTAL-ASSESSMENT.
BINGHAM DK : MONITORING OF INDUCED SEISMICITY IN THE AREAS OF HEAVY OIL EXTRACTION, ABANDONED COAL MINE (TURTLE-MOUNTAIN) & RESERVOIR (OLDMAN RIVER).
DICK TM : HYDRAULICS RESEARCH RELATED TO THE ENVIRONMENT: RIVER MECHANICS, DISPERSION SEDIMENT TRANSPORT, RIVER ICE, AIR, WATER INTERACTIONS, WAVE GENERATION, COASTAL ENGINEERING, SEDIMENTOLOGY, URBAN WATER-RESOURCES.
DYKSTRA TL : RECREATIONAL LAND-USE PLANNING: FOR RESERVOIRS, RESERVOIR SHORELINES & RIVER VALLEYS TO PROTECT WATER-RESOURCE MANAGEMENT OBJECTIVES.
GEHR R : WATER & WASTEWATER-TREATMENT, SPECIFICALLY POLYELECTROLYTE USAGE, CHARACTERIZATION & INTERACTIONS; PHOSPHORUS REMOVAL; STATISTICAL-ANALYSIS OF BIODEGRADATION & RIVER QUALITY DATA; ATTACHED VS SUSPENDED GROWTH PROCESSES.
GLENN JE : PLANNING & MANAGEMENT OF SURFACE-WATER RESOURCES OF SOUTH-SASKATCHEWAN RIVER BASIN IN ALBERTA.
HOLDER-FRANKLIN MA : MATHEMATICAL-MODELS FOR THE MEASUREMENT OF POPULATION SHIFTS OF RIVER BACTERIA IN RESPONSE TO ENVIRONMENTAL CHANGE; PRIMARILY MULTIVARIATE STATISTICAL ALGORITHMS.
KRISHNAPPAN BG : RESEARCH INCLUDES RIVER FLOWS & SEDIMENT TRANSPORT. DEVELOPMENT OF MATHEMATICAL-MODELS OF RIVERFLOWS & THE BED & SUSPENDED SEDIMENT MOVEMENTS. STUDY OF MIXING PROCESSES IN RIVERS.
LEVINGS CD : ESTUARINE ECOLOGY OF BENTHOS & FISH. PHYSICAL IMPACTS ON WETLANDS SUPPORTING FISHERIES RESOURCES. RIVER ECOLOGY & EFFECTS OF BANKSIDE & RIPARIAN HABITAT DISRUPTION. BENTHIC ECOLOGY & COMMUNITIES IN FIORDS. ESTUARINE & RIVERINE HABITAT RESTORATION.
NEWBURY RW : RIVER AND STREAM BEHAVIOUR AND HABITATS. FIELD EXPLORATION TECHNIQUES FOR CHARACTERIZING UNMAPPED WATERSHEDS AND STREAM CHANNELS. CHANNEL STABILITY. STREAM HYDROLOGY, DRAINAGE BASIN EXPLORATION.
POLLOCK TL : OPERATION OF A MONITORING AND SURVEY SERVICE ON THE AQUATIC ENVIRONMENT IN ATLANTIC CANADA. THIS INCLUDES EFFECTS OF LRTAP AND TOXIC-CHEMICALS, AS DEFINED BY ENVIRONMENT CANADA, ON SURFACE-WATERS, LAKE AND RIVER SEDIMENTS AND BIOTA.
ROUSE WR : INTERACTION OF CLIMATE & SEA ICE IN HUDSON & JAMES BAY. MODELLING CLIMATIC, HYDROLOGIC & VEGETATIONAL RELATIONS IN THE COASTAL SALT MARSHES. PREDICTING THE ENVIRONMENTAL-IMPACT OF RIVER DAMS & DIVERSION & CLIMATIC MODIFICATION IN JAMES-BAY & HUDSON BAY.
TOPUSCHAK R : ALBERTA ENVIRONMENT TECHNICAL SERVICES DIVISION IS RESPONSIBLE FOR PROVIDING THE DEPARTMENT WITH ALL NECESSARY EXPERTISE IN RIVER FLOW FORECASTING RIVER ENGINEERING, SURFACE-WATER HYDROLOGY AND SURVEYING. IT COORDINATES THE OPERATIONS IN THE PHYSICAL ASSESSMENT OF THE OCCURENCE, CONTROL AND EFFECT OF SURFACE-WATER IN RELATION TO NATURAL PHENOMENA, MAN-MADE WORKS AND PROPOSED PROJECTS.
TREW DO : SURFACE-WATER QUALITY MANAGEMENT IN ALBERTA. LOCALIZED IMPACT-ASSESSMENT. GENERAL SURVEY PROGRAMS. MAINTENANCE OF LONG TERM MONITORING STATIONS. WATER-QUALITY ISSUES INCLUDE: EUTROPHICATION, ACIDIC DEPOSITION, IMPACTS FROM MUNICIPAL EFFLUENTS, INDUSTRIAL-EFFLUENTS & RESOURCE EXTRACTION. RIVER BASIN PLANNING; LAKE MANAGEMENT PLANNING.
VANDENBERG A : MODELLING OF SATURATED & UNSATURATED GROUNDWATER FLOW; STUDY OF IMPACT OF AGRICULTURAL DRAINAGE ON THE RIVER HYDROGRAPH.

RIVERS

CHEE SP : HYDRAULICS OF ICE COVERED RIVERS. EROSION OF GRANULAR MATERIAL.
CROSS PM : LIMNOLOGIST RESPONSIBLE FOR ROUTINE WATER-QUALITY MONITORING & SPECIAL STUDIES WITHIN THE RED-DEER, OLDMAN & MILK-RIVER BASINS. MAINTAIN & APPLY WATER-QUALITY SIMULATION MODEL (WQRRS) TO RIVERS IN THE SOUTH-SASKATCHEWAN RIVER BASIN.
KRISHNAPPAN BG : RESEARCH INCLUDES RIVER FLOWS & SEDIMENT TRANSPORT. DEVELOPMENT OF MATHEMATICAL-MODELS OF RIVERFLOWS & THE BED & SUSPENDED SEDIMENT MOVEMENTS. STUDY OF MIXING PROCESSES IN RIVERS.
MANITOBA NATURALISTS SOCIETY : FIVE ACTION COMMITTEES MONITOR THE ENVIRONMENT OF MANITOBA IN PARTICULAR, BUT ALSO STUDY NATIONAL AND INTERNATIONAL ISSUES. THEY ARE PARKS, WILDLIFE, URBAN-ENVIRONMENT, HABITAT CONSERVATION AND ENVIRONMENTAL ACTION. VARIOUS POSITION PAPERS AND BRIEFS ARE WRITTEN REGARDING ENVIRONMENTAL ISSUES AND BROUGHT FORWARD TO THE GOVERNMENT AND INDUSTRY RESPONSIBLE. HECLA ISLAND MANAGEMENT PLAN, LOGGING IN ATIKAKI WILDERNESS AREA, CITY OF WINNIPEG RIVERS AND STREAM AUTHORITY, HYDRO ELECTRIC DEVELOPMENT (CONAWAPA) AND STORAGE OF NUCLEAR-WASTE.
SERODES J : SEDIMENTATION AND DREDGING IN RIVERS AND ESTUARIES. WATER-QUALITY; SEDIMENT-QUALITY; DRINKING-WATER AND WASTEWATER-TREATMENT, IMPACT-ASSESSMENT ON AQUATIC-ECOSYSTEMS.
SMITH DW : OZONE TREATMENT OF WATER AND WASTEWATER. COLD REGIONS ENVIRONMENTAL-ENGINEERING. SCALE UP OF WATER AND WASTEWATER-TREATMENT PROCESSES. DISINFECTION. MIXING AND MICROORGANISMS IN RIVERS.

RIVERS

TONES PI : SURFACE WATER-QUALITY OF PRAIRIE RIVERS & RESERVOIRS; IMPACT OF MINING ESPECIALLY URANIUM MINING ON AQUATIC SYSTEMS; DEVELOPMENT OF WATER-QUALITY OBJECTIVES.

RIVIERE

FORTIN JP : HYDROLOGIE; HYDROMETEOROLOGIE; PRECIPITATION; PLUIE; NEIGE; RUISSELLEMENT; DEBIT; ECOULEMENT; PHYSIOGRAPHIE; RIVIERE; BASSIN VERSANT; CRUE; INONDATION; TELEDETECTION EAU; SATELLITE EAU; INTEGRATION DES DONNEES; STATISTIQUE HYDROLOGIE; GESTION-EAU; PLANIFICATION-EAU; PREVISION EAU; DECISION EAU; PROTECTION EAU; CONTROLE-EAU; MODELE HYDROLOGIQUE; CEQUEAU MODELE; MODELE DETERMINISTE MAILLE-CARREAU; MODELE D AJUSTEMENT; PREVISION HYDROLOGIQUE; PREVISION ECOULEMENT; PREVISION TEMPS REEL; RESEAU HYDROLOGIQUE; PLUVIOMETRE; RADAR HYDROLOGIE; STATION-PLUVIOMETRIQUE; RESEAU RADAR METEOROLOGIE; PRECIPITATIONS-ACIDES; POLLUANTS-ATMOSPHERIQUES; TRANSPORT-A-LONGUE-DISTANCE; MODELE STATISTIQUE; DIFFUSION UNIDIMENSIONNEL; ANISOTROPIE-SPATIALE.
VILLENEUVE JP : HYDROLOGIE; MODELE HYDROLOGIE; MODELE HYDROGEOLOGIE; HYDROGEOLOGIE; MODELE EAUX-SOUTERRAINES; EAU-SOUTERRAINE; MODELE RIVIERE; MODELE BASSIN-VERSANT; MODELE EAU RIVIERE; MODELE QUANTITE-QUALITE; COUPLAGE QUANTITE-QUALITE.

ROCKS

BOYLE RW : GEOCHEMISTRY: OF PRECIOUS METALS (AU, AG, PT); OF ARSENIC, ANTIMONY AND BISMUTH AND OF NICKEL AND COBALT IN ROCKS, SOIL AND NATURAL-WATERS.
GALE JE : GROUNDWATER FLOW SYSTEMS IN FRACTURED AND FRACTURED POROUS MEDIA BASED ON FIELD AND NUMERICAL MODELLING STUDIES. PROJECTS INCLUDE (A) DEWATERING IN FRACTURED ROCK MASSES; (B) HYDROGEOLOGY OF FRACTURED ROCKS AS APPLIED TO MINERAL EXPLORATION AND TOXIC-WASTE DISPOSAL; (C) MEASURED VERSUS COMPUTED FRACTURE POROSITY, AND (D) CHARACTERIZING THE GEOMETRY AND MECHANICAL PROPERTIES OF FRACTURE SYSTEMS.
LARSON DW : ECOLOGY, MORPHOLOGY, ANATOMY & PHYSIOLOGY OF PLANTS THAT GROW ON ROCKS & CLIFF-FACES. OBJECTIVE: TO DISCOVER MECHANISMS THAT PERMIT SURVIVAL IN SUCH HOSTILE ENVIRONMENTS.
SCHREIER H : SOIL & SEDIMENT CHEMISTRY. TRACE-METAL CONTAMINATION. ASBESTOS IN THE ENVIRONMENT (SOIL, ROCKS, SEDIMENT, WATER, BIOTA). SOIL FERTILITY. REMOTE-SENSING.

RODENTS

MIHOK S : RADIONUCLIDE TRANSPORT IN MAMMALS. RADIOECOLOGY OF RODENTS. HEMATOLOGY. PARASITOLOGY. IMMUNOLOGY. PATHOLOGY.

ROOT

REYES AA : SOIL MICROBIOLOGY, ESPECIALLY FUNGI CAUSING ROOT ROTS AND WILTS OF VEGETABLES. MY CONCERN IS TO AVOID THE USE OF CHEMICALS FOR THEIR CONTROL. RESEARCH ALSO ON STORAGE PATHOLOGY OF VEGETABLES, E.G. PREVENTION OF SOFT ROTS BY SUPPLYING STORAGE CHAMBERS WITH DIFFERENT COMBINATIONS OF GASES.
WHITNEY RD : DAMAGE-APPRAISAL, CAUSAL FUNGI SITE RELATIONSHIPS OF ROOT DISEASES OF CONIFEROUS TREES. CANADIAN ECTOMYCORRHIZAE. PATHOGENICITY OF POLYPORUS-TOMENTOSUS. ACID-RAIN: DISEASE RELATIONSHIPS IN CONIFERS.

ROOTS

CROWDER A : UPTAKE OF METALS BY WETLAND PLANTS. IRON PLAQUES ON ROOTS. INVENTORY OF VEGETATION IN EUTROPHIC & OTHER WETLANDS. IMPACT-ASSESSMENT PARTICULARLY OF PARK USAGE, HERBARIUM CURATOR.

ROTATION

JONES ARC : PRIVATE FOREST-MANAGEMENT. SHORT ROTATION FORESTRY; HARDWOOD FOREST DECLINE, MONITORING OF DAMAGING AGENTS & AMELIORATION OF EFFECTS.

ROTS

REYES AA : SOIL MICROBIOLOGY, ESPECIALLY FUNGI CAUSING ROOT ROTS AND WILTS OF VEGETABLES. MY CONCERN IS TO AVOID THE USE OF CHEMICALS FOR THEIR CONTROL. RESEARCH ALSO ON STORAGE PATHOLOGY OF VEGETABLES, E.G. PREVENTION OF SOFT ROTS BY SUPPLYING STORAGE CHAMBERS WITH DIFFERENT COMBINATIONS OF GASES.

RUBBERS

WOOD AG : PROTECTION OF HEALTH OF EMPLOYEES IN APPLICATION OF INDUSTRIAL-HYGIENE PRINCIPLES. DEVELOPMENT OF MATERIAL SAFETY DATA SHEETS AND TOXICOLOGY SUMMARIES FOR SYNTHETIC RUBBERS. COORDINATION OF WASTE-MANAGEMENT PROGRAMS AND MONITORING OF GOVERNMENTAL REGULATIONS.

RUNOFF

AMBLER DC : SURFACE-WATER HYDROLOGY IN THE ATLANTIC PROVINCES AND THE EASTERN ARCTIC ISLANDS. RUNOFF SIMULATION. WATERSHED FORECASTING.
MARSALEK J : CHARACTERIZATION OF CONTRIBUTIONS OF URBAN LAND RUNOFF TO THE POLLUTION OF RECEIVING WATERS. FIELD AND COMPUTER-SIMULATION STUDIES OF SUCH CONTRIBUTIONS.

RURAL

BRYANT CR : RURAL DEVELOPMENT AND RURAL LAND-USE MANAGEMENT, ESPECIALLY IN RELATION TO AGRICULTURE AND RELATIONSHIPS WITH URBAN SYSTEMS. RURAL INFORMATION-SYSTEMS. RURAL DEVELOPMENT WITHIN REGIONAL DEVELOPMENT. RURAL RESOURCE CONSERVATION.
KRUSHELNICKI BW : RURAL LAND ECONOMICS. COUNTRYSIDE PLANNING. URBAN & REGIONAL PLANNING ADMINISTRATION. LOCAL GOVERNMENT.
MCCUAIG JD : LAND-USE PLANNING: GEOGRAPHY; LAND-USE POLICIES; RURAL & AGRICULTURAL LAND-USE CHANGE ANALYSIS; LAND VALUE CHANGE; FEDERAL PROGRAM IMPACT ON LAND-USE; PLANNING METHODS AND TOOLS; FEDERAL/ PROVINCIAL LIAISON.
TOWNSHEND AR : COLD CLIMATE NORTHERN & RURAL ENVIRONMENTAL ENGINEERING TECHNOLOGIES FOR THE PROTECTION OF THE ENVIRONMENT & QUALITY OF LIFE; TECHNOLOGIES FOR WATER SOURCE DEVELOPMENT & TREATMENT, WATER CONSERVATION, WASTEWATER-TREATMENT & DISPOSAL, SOLID-WASTE MANAGEMENT & ENERGY-CONSERVATION.
YOUNG M : BACTERIAL POLLUTION OF SURFACE-WATERS & SEDIMENTS FROM FECAL (URBAN & RURAL) & INDUSTRIAL SOURCES; ANALYSIS & INTERPRETATION. DISPOSAL OF PATHOLOGICAL WASTE.

RUSTS

PARMELEE JA : TAXONOMIC RESEARCH IN PARASITIC FUNGI (RUSTS, SMUTS AND MILDEWS) OF VASCULAR PLANTS. STUDIES INCLUDE REVIEWS ON GEOGRAPHIC DISTRIBUTION AND LIFE-HISTORIES. RELATED WORK INVOLVES CREATION OF THE NATIONAL MYCOLOGICAL HERBARIUM A COLLECTION OF 250,000 DRIED FUNGUS SPECIMENS OF IMPORTANCE TO AGRICULTURE AND FORESTRY.

SACCHARDLYTIC

PATEL GB : ISOLATION, CHARACTERIZATION & STUDY OF THE PHYSIOLOGY OF OBLIGATE-ANAEROBES INVOLVED IN THE BREAKDOWN OF COMPLEX ORGANIC MATTER PRESENT IN ANAEROBIC ECOSYSTEMS (CELLULOLYTIC, SACCHARDLYTIC, METHANOGENIC-BACTERIA). SEWAGE TREATMENT; PULP & PAPER.

SAHEL

PREVOST C : LA TELEDETECTION; L' AGRICULTURE ET LA TELEDETECTION (APPLICATION EN AFRIQUE). SURVEILLANCE DES RESSOURCES EN EAU SAHEL PAR TELEDETECTION.

SALINITE

BOLDUC RJ : PHYSIOLOGIE ET BIOCHIMIE DU FROID, DE LA SECHERESSE ET DE LA SALINITE CHEZ LES PLANTES CULTIVEES. PHYSIOLOGIE DE LA PRODUCTION DES PLANTES CULTIVEES SOUS CHACUN DE CES STRESS. CULTURES A L'ETUDE: HERBAGES, CEREALES, PLANTES ORNEMENTALES, CULTURES FRUITIERES, ESPECES LIGNEUSES.

SALINITY

BEKE GJ : STUDIES TO DETERMINE CAUSES & CONTROL OF DRY LAND SALINITY; CROPPING PRACTICES & SUBSURFACE DRAINAGE.

SALMON

ANDERSON JM : FISHERIES RESEARCH & DEVELOPMENT, PARTICULARLY SALMONID AQUACULTURE & SALMON ENHANCEMENT STRATEGIES. EDUCATION & TRAINING A SPECIALTY.

SALMON

COOK RH : AQUACULTURE DEVELOPMENT (ATLANTIC SALMON, AMERICAN LOBSTER, SEA SCALLOPS) GROWTH & REPRODUCTIVE PHYSIOLOGY, DISEASE & NUTRITION, DIET FORMULATIONS, METHODS OF DISEASE-PREVENTION, GENETICS. POLLUTION EFFECTS ON FISH: ECOLOGICAL STUDIES, SUBLETHAL BIOLOGICAL EFFECTS, METHODS, DETECTION & ANALYSIS OF TRACE ORGANIC & INORGANIC TOXIC-CHEMICALS.
NASSICHUK MD : IMPACT-ASSESSMENT OF PROPOSED INDUSTRIAL DEVELOPMENTS THAT COULD AFFECT WATER-QUALITY. INVESTIGATIVE PROGRAMS ON IMPACT OF SPECIFIC POLLUTANTS & CONTAMINANTS ON FISH (PACIFIC SALMON) & FISH-HABITAT. POLICY & LEGISLATIVE ADVISOR ON WATER-QUALITY ISSUES.
RUGGLES CP : FRESHWATER FISHERIES - MANAGEMENT AND DEVELOPMENT; ENVIRONMENTAL-IMPACT-ASSESSMENT. FISH PASSAGE AT DAMS. ATLANTIC SALMON ECOLOGY.
SMITH HD : FISHERIES AND FISH-HABITAT RESEARCH MANAGEMENT, STOCK-ASSESSMENTS AND SOCKEYE SALMON (O.NERKA) BIOLOGY AND POPULATION-DYNAMICS.

SALMONID

ANDERSON JM : FISHERIES RESEARCH & DEVELOPMENT, PARTICULARLY SALMONID AQUACULTURE & SALMON ENHANCEMENT STRATEGIES. EDUCATION & TRAINING A SPECIALTY.
DONALDSON EM : SALMONID CULTURE ESPECIALLY CONTROLLED REPRODUCTION, STRESS RESPONSES GROWTH CONTROL, AND CHROMOSOME SET MANIPULATION.

SALMONIDS

BEAMISH FWH : ECOLOGY AND PHYSIOLOGY OF TELEOSTS AND CYCLOSTOMES. BIOENERGETICS AND NUTRITION OF SALMONIDS. SUBLETHAL EFFECTS OF XENOBIOTICS ON FISHES.

SALT

COLWELL DW : NATIONAL CENTRE OF COMPETENCE CONCERNED WITH APPLICATION OF METEOROLOGICAL KNOWLEDGE AND DATA TO STUDIES DEALING WITH PROBLEMS OF THE FRESH AND SALT WATER ENVIRONMENTS (HYDROLOGY, WATER-RESOURCES, OCEANS, LAKES AND RESERVOIRS).
FINDLAY RL : RESEARCH IN ACID-DEPOSITION & ITS EFFECTS, FOREST & AGRICULTURE RECLAMATION; OIL & SALT WATER SPILL RECLAMATION; IMPACT-ASSESSMENT FOR OIL & GAS DEVELOPMENT; DECOMMISIONING PROGRAMS.
HOFSTRA G : EFFECTS OF ENVIRONMENTAL STRESS ON CROP PLANTS. SALT STRESS IN BEDDING PLANTS. GROWTH REGULATORS & STRESS ALLEVIATION. TREE PHYSIOLOGY.
ROUSE WR : INTERACTION OF CLIMATE & SEA ICE IN HUDSON & JAMES BAYS. MODELLING CLIMATIC, HYDROLOGIC & VEGETATIONAL RELATIONS IN THE COASTAL SALT MARSHES. PREDICTING THE ENVIRONMENTAL-IMPACT OF RIVER DAMS & DIVERSION & CLIMATIC MODIFICATION IN JAMES-BAY & HUDSON BAY.

SALTS

QUIGLEY RM : MIGRATION OF SOLUBLE SALTS THROUGH CLAY BARRIERS BY DIFFUSION FIELD STUDIES. CLAY MINERALOGY AND SOIL-CHEMISTRY APPLIED TO ENGINEERING PROBLEMS OF SOIL AND ROCK; GEOTECHNICAL ENGINEERING.
REDMANN RE : PHYSIOLOGICAL PLANT ECOLOGY, GRASSLAND ECOLOGY, POLLUTION EFFECTS ON PLANTS, ESPECIALLY AIRBORNE SALTS AND ACIDITY, DROUGHT STRESS EFFECTS, PLANT WATER RELATIONS, CARBON-DIOXIDE EXCHANGE IN PLANTS.

SALVELINUS-FONTINALIS

MOREAU G : EFFETS DES PLUIES-ACIDES SUR LA FAUNE BENTHIQUE ET SUR LES POISSONS, EN PARTICULIER L' OMBLE-DE-FONTAINE (SALVELINUS-FONTINALIS). ECOLOGIE DES LACS DE RESERVOIRS.

SAND-DUNES

MAUN MA : POPULATION-DYNAMICS AND PHYSIOLOGICAL ECOLOGY OF VEGETATION ON LAKE HURON SAND-DUNES. INSECT & PLAN INTERACTIONS ON SAND-DUNE SYSTEMS. RECOLONIZATION OF SAND-DUNE SYSTEMS.

SANGUIVORY

DAVIES RW : INVESTIGATIONS OF THE ABUNDANCE AND DISTRIBUTION OF FRESHWATER BENTHIC MACROINVERTEBRATES. STUDIES ON PREDATOR AND PREY INTERACTIONS, SANGUIVORY AND THE EFFECTS OF HYPOXIA, AND ANOXIA HAVE BEEN CARRIED OUT.

SANITATION

DROSTE RL : THEORY AND DESIGN OF WATER AND WASTEWATER-TREATMENT SYSTEMS. APPROPRIATE TECHNOLOGIES FOR WATER-SUPPLY AND SANITATION IN DEVELOPING-COUNTRIES.
SHARP DS : ENVIRONMENTAL-HEALTH MANAGEMENT. PUBLIC-HEALTH EXPERIENCE IN DEVELOPING AND MONITORING WATER-SUPPLY AND SANITATION RESEARCH PROPOSALS. THE TOPICS COVERED ARE: TECHNOLOGY DEVELOPMENT, SOCIAL AND MANAGEMENT STUDIES, HEALTH IMPACT STUDIES, WASTE-REUSE RESEARCH, AND MANPOWER DEVELOPMENT PROJECTS.

SANTE

BERGERON JM : IMPACT DE LA CHIMIE DES HABITATS SUR LA SANTE, LA SURVIE ET CERTAINS PARAMETRES DE DYNAMIQUE DE POPULATIONS D' HERBIVORES.
PAULIN G : INVENTAIRE DE DOXINES & FURANNES, EFFETS SUR LA SANTE. INVENTAIRE SUR LES COMPOSES-ORGANIQUES-VOLATILS; ETUDES SUR LES HYDROCARBURES-POLYNUCLEAIRES-AROMATIQUES. ETUDES SUR LE BRUIT-COMMUNAUTAIRE. EVOLUTION DE LA QUALITE DE L' AIR AU QUEBEC, EFFET DU CHAUFFAGE-AU-BOIS.
PAYMENT P : QUALITE MICROBIOLOGIQUE DE L' EAU (BACTERIES, VIRUS, PARASITES); EFFETS SUR LA SANTE; NORMES DE QUALITE-DE-L'EAU.

SASKATCHEWAN

BRETT CP : MANAGEMENT OF PROVINCIAL FOREST RESOURCES; DEVELOPMENT OF METHODS FOR IMPROVING QUALITY OF TREE SEED & SEEDLINGS; EVALUATION OF TRIALS USING EXOTIC TREE SPECIES; PROMOTION & FACILITATION OF RESEARCH ON SASKATCHEWAN SILVICULTURE PROBLEMS.
HAGE KD : AIR-POLLUTION IN SMALL VALLEYS; URBAN AIR-POLLUTION; DESTRUCTIVE WINDS IN ALBERTA, SASKATCHEWAN; MICROMETEOROLOGY, MESOMETEOROLOGY.
HARMS VL : TAXONOMY AND PHYTOGEOGRAPHY OF THE VASCULAR PLANT FLORA OF SASKATCHEWAN AND ADJACENT REGIONS. PHYTOGEOGRAPHY OF SASKATCHEWAN RARE PLANTS. TAXONOMY OF HETEROTHECA (COMPOSITAE), (SPARGIANACEAE), PETASITES (COMPOSITAE), AND NORTHERN PLAINS GRASSES, (GRAMINEAE) AND ORCHIDS (ORCHIDAICEA).
LECHNER LJ : IN CHARGE OF THE AIR-POLLUTION CONTROL PROGRAM IN SASKATCHEWAN WHICH DEALS WITH THE CONTROL OF AIR CONTAMINANTS FROM INDUSTRY.
SASKATCHEWAN FORESTRY ASSOCIATION : THE SASKATCHEWAN FORESTRY ASSOCIATION IS A (REGISTERED) CANADIAN CHARITABLE ORGANIZATION DEDICATED TO THE WISE USE OF OUR FOREST-RESOURCE. WITH ITS SISTER FORESTRY ASSOCIATIONS, IT SEEKS TO PROMOTE PUBLIC-AWARENESS AND STIMULATE INTEREST IN OUR FORESTS, AND INTER-DEPENDENT RESOURCES.

SATELLITE

ALBERTA REMOTE SENSING CENTER : SPECIALTY SERVICE CENTRE ASSISTING ALBERTANS IN ACQUISITION, ANALYSIS & APPLICATION OF REMOTE-SENSING IMAGERY FROM AIRCRAFT & SATELLITE SYSTEMS. RESEARCH & OPERATIONS RELATED TO ENVIRONMENTAL & NATURAL RESOURCES ASSESSMENT. MAINTENANCE OF STATE-OF-THE-ART IMAGE-ANALYSIS FACILITY AVAILABLE FREE TO USERS.
CHUNG YS : LONG-RANGE-TRANSPORT-OF-AIR-POLLUTION (LRTAP), SATELLITE DETECTION OF AIR-POLLUTION, EMISSION OF FOREST FIRES, OZONE, SULPHATE, TSP & CARBON-DIOXIDE.
FORMAN RM : AERIAL-PHOTO INTERPRETATION; MILITARY PHOTO INTELLIGENCE; METEOROLOGICAL SATELLITE PHOTO INTERPRETATION; REPRODUCTION AND DISTRIBUTION OF WEATHER SATELLITE IMAGERY; FACSIMILE TRANSMISSION AND RECEPTION EQUIPMENTS; PUBLISHED A GUIDE TO THE INTERPRETATION OF SATELLITE CLOUD PHOTOS.
FORTIN JP : HYDROLOGIE; HYDROMETEOROLOGIE; PRECIPITATION; PLUIE; NEIGE; RUISSELLEMENT; DEBIT; ECOULEMENT; PHYSIOGRAPHIE; RIVIERE; BASSIN VERSANT; CRUE; INONDATION; TELEDETECTION EAU; SATELLITE EAU; INTEGRATION DES DONNEES; STATISTIQUE HYDROLOGIE; GESTION-EAU; PLANIFICATION-EAU; PREVISION EAU; DECISION EAU; PROTECTION EAU; CONTROLE-EAU; MODELE HYDROLOGIQUE; CEQUEAU MODELE; MODELE DETERMINISTE MAILLE-CARREAU; MODELE D AJUSTEMENT; PREVISION HYDROLOGIQUE; PREVISION ECOULEMENT; PREVISION TEMPS REEL; RESEAU HYDROLOGIQUE; PLUVIOMETRE; RADAR HYDROLOGIE; STATION-PLUVIOMETRIQUE; RESEAU RADAR METEOROLOGIE; PRECIPITATIONS-ACIDES; POLLUANTS-ATMOSPHERIQUES; TRANSPORT-A-LONGUE-DISTANCE; MODELE STATISTIQUE; DIFFUSION UNIDIMENSIONNEL; ANISOTROPIE-SPATIALE.
LAPP PA : REMOTE-SENSING; AIRCRAFT & SATELLITE. SCIENCE POLICY, INDUSTRIAL STRATEGIES, TECHNOLOGY-TRANSFER. SENSOR-SYSTEMS, INSTRUMENTATION.
MACLOCK B : FLOODPLAIN MANAGEMENT; INCLUDES FLOOD RISK MAPPING & FLOOD DAMAGE ESTIMATES. FLOOD PROOFING & FLOOD WARNING; TO REDUCE FLOOD DAMAGE POTENTIAL. DRAINAGE & WETLAND MANAGEMENT; MULTIDISCIPLINARY METHODS IN THE CONTEXT OF ECONOMIC EFFICIENCY AND ENVIRONMENTAL NEEDS. MEASURING AMOUNTS AND TYPES OF WETLANDS USING SATELLITE, REMOTE-SENSING & COLOUR-INFRARED AERIAL-PHOTOGRAPHY.
MOORE WC : SATELLITE IMAGE & AERIAL-PHOTO INTERPRETATION TECHNIQUES FOR ECONOMIC & OPERATIONAL MAPPING OF SIGNIFICANT DEPLETIONS IN FOREST RESOURCE INVENTORIES FOR GEOGRAPHIC INFORMATION SYSTEM INPUTS IN COLLABORATION WITH OTHER JURISDICTIONS.
MORRISSEY EG : SATELLITE METEOROLOGY, RESEARCH, APPLICATIONS, READOUT-SYSTEMS, IMAGE-ANALYSIS SYSTEMS; SATELLITE DATA ASSIMILATION.

SATELLITE

MURTHA PA : REMOTE-SENSING & PHOTO INTERPRETATION: APPLICATION OF AERIAL-PHOTOGRAPHY, MULTISPECTRAL SCANNER, IMAGERY AND SATELLITE DATA FOR VEGETATION DAMAGE ASSESSMENT (INSECTS, DISEASE, AIR-POLLUTION) OR LAND-CLASSIFICATION AND TERRAIN ANALYSIS; COLOUR-INFRARED PHOTOGRAPHS; PC BASED IMAGE-ANALYSIS LANDSAT.

SIMS RA : VEGETATION AND SITE-CLASSIFICATION OF BOREAL-FORESTS. SUBARCTIC WETLAND AND ARCTIC TUNDRA AREAS. FOREST-ECOSYSTEM CLASSIFICATION OF BOREAL NORTHERN ONTARIO. REMOTE-SENSING FOR VEGETATION STUDY: MAPPING AND INVENTORY (USING SATELLITE AND AERIAL-PHOTO DATA).

WIEBE K : AUTOMATING HYDROMETRIC DATA ACQUISITION THROUGH DEVELOPMENT OF ELECTRONIC DATA ACQUISITION SYSTEMS & APPROPRIATE SENSORS. TRANSMITTING THE RESULTANT DATA TO USERS VIA SATELLITE OR TERRESTRIAL BASED COMMUNICATION SYSTEMS.

WILLIAMS PF : DEVELOPMENT OF MONITORING SYSTEMS TO OPERATE IN REMOTE & HARSH ENVIRONMENTS. ELECTRONICS TO MEASURE, PROCESS, STORE & TELEMETER ENVIRONMENTAL DATA VIA PHONE, RADIO AND SATELLITE.

SAWFLIES

WONG HR : THE SYSTEMATIC STUDY OF THE SAWFLIES (HYMENOPTERA SYMPHYTA) OF THE WORLD WITH SPECIAL REFERENCE TO THE NEARCTIC AND PALAEARCTIC-SPECIES. BIOLOGICAL STUDIES OF FOREST-INSECTS IN CENTRAL CANADA.

SAWMILLING

MELOCHE PH : FORINTEK CANADA CORP. IS A PRIVATE, NON-PROFIT RESEARCH AND DEVELOPMENT CORPORATION ACTIVELY ENGAGED IN ALL MAJOR SCIENTIFIC AND TECHNICAL DISCIPLINE RELATED TO WOOD PRODUCTS: SAWMILLING; SEASONING; MACHINING; COMPOSITE PRODUCTS; ADHESIVES; WOOD BASED ENERGY AND CHEMICALS; HOUSING MATERIALS SCIENCE; TIMBER ENGINEERING; WOOD PRESERVATION; FIRE RETARDANTS AND THE WOOD SCIENCES. ASSISTANCE AND EXPERT ADVICE ARE AVAILABLE TO FOREST PRODUCTS INDUSTRIES, GOVERNMENT AGENCIES, TRADE ASSOCIATIONS, CONSULTANTS, EQUIPMENT MANUFACTURERS, EDUCATIONAL INSTITUTIONS AND THE GENERAL PUBLIC.

SCALLOPS

BOURNE N : BIOLOGICAL RESEARCH IN ESTUARINE ECOLOGY WITH EMPHASIS ON BIVALVE-MOLLUSCS. ASSESSMENT OF POPULATION-DYNAMICS OF BIVALVES FOR OPTIMUM MANAGEMENT OF RESOURCE. PRESENT RESEARCH MAINLY IN AQUACULTURE WITH EMPHASIS ON CULTURE OF OYSTERS, CLAMS AND SCALLOPS.

COOK RH : AQUACULTURE DEVELOPMENT (ATLANTIC SALMON, AMERICAN LOBSTER, SEA SCALLOPS) GROWTH & REPRODUCTIVE PHYSIOLOGY, DISEASE & NUTRITION, DIET FORMULATIONS, METHODS OF DISEASE-PREVENTION, GENETICS. POLLUTION EFFECTS ON FISH: ECOLOGICAL STUDIES, SUBLETHAL BIOLOGICAL EFFECTS, METHODS, DETECTION & ANALYSIS OF TRACE ORGANIC & INORGANIC TOXIC-CHEMICALS.

SCANNER

MURTHA PA : REMOTE-SENSING & PHOTO INTERPRETATION: APPLICATION OF AERIAL-PHOTOGRAPHY, MULTISPECTRAL SCANNER, IMAGERY AND SATELLITE DATA FOR VEGETATION DAMAGE ASSESSMENT (INSECTS, DISEASE, AIR-POLLUTION) OR LAND-CLASSIFICATION AND TERRAIN ANALYSIS; COLOUR-INFRARED PHOTOGRAPHS; PC BASED IMAGE-ANALYSIS LANDSAT.

SCOTLAND

MCLELLAN AG : CENTRAL SCOTLAND: URBAN, INDUSTRIAL LAND REHABILITATION. GLACIAL GEOMORPHOLOGY IN SCOTLAND. AGGREGATE RESOURCES & EXTRACTION IN SCOTLAND.

SCRUBBERS

DAINTY ED : DEVELOPMENT OF DIESEL EMISSION REDUCTION DEVICES FOR USE ON UNDERGROUND MINING VEHICLES (SUCH AS FILTERS AND SCRUBBERS). PROMOTION OF RATIONAL DIESEL EMISSIONS TOXICITY CRITERION FOR UNDERGROUND VENTILATION PRESCRIPTION, AND PROMOTION OF THIS CRITERION (AIR-QUALITY INDEX; AQI) FOR RATIONAL SELECTION OF ENGINES AND REDUCTION DEVICES FOR USE UNDERGROUND AND IN OTHER CONFINED ENVIRONMENTS WHERE DIESEL ENGINES ARE EMPLOYED. AMBIENT MONITORING OF DIESEL POLLUTANTS.

SPINK EF : INVENTORS AND DEVELOPERS OF WATERLOO SCRUBBERS, A LOW ENERGY, LOW WATER-USE, WET-SCRUBBERS CAPABLE OF ULTRA HIGH REMOVAL OF SUB-MICRON PARTICULATE, GASES, ACID-MISTS AND ORGANIC FUMES.

SEABIRDS

BOYD H : STATUS, BIOLOGY, POPULATION-DYNAMICS AND MANAGEMENT OF HOLARCTIC BIRDS, ESPECIALLY WATERFOWL, SHOREBIRDS AND SEABIRDS. DUCK HUNTING AND DUCK NUMBERS.
BROWN RGB : THE PELAGIC ECOLOGY OF SEABIRDS; THE EFFECTS OF OIL AND OTHER POLLUTANTS ON SEABIRDS.
NETTLESHIP DN : HEAD LONG-TERM RESEARCH PROGRAM ON REPRODUCTIVE AND PELAGIC-ECOLOGY OF SEABIRD POPULATIONS IN NORTH-WEST ATLANTIC, PARTICULARLY ATLANTIC CANADA AND EASTERN CANADIAN ARCTIC. PUBLICATIONS INCLUDE: "ATLAS OF EASTERN CANADIAN SEABIRDS", "ECOLOGICAL SITES IN NORTHERN CANADA", "CONSERVATION OF MARINE BIRDS OF NORTHERN NORTH-AMERICA", AND "THE THICK-BILLED MURRES OF PRINCE-LEOPOLD ISLAND; BREEDING ECOLOGY OF A COLONIAL HIGH ARCTIC SEABIRD."

SEAWEED

HSIAO SIC : PHYSIOLOGICAL ECOLOGY OF ARCTIC MARINE PHYTOPLANKTON, SEA ICE MICROALGAE AND SEAWEED.

SECHERESSE

BOLDUC RJ : PHYSIOLOGIE ET BIOCHIMIE DU FROID, DE LA SECHERESSE ET DE LA SALINITE CHEZ LES PLANTES CULTIVEES. PHYSIOLOGIE DE LA PRODUCTION DES PLANTES CULTIVEES SOUS CHACUN DE CES STRESS. CULTURES A L'ETUDE: HERBAGES, CEREALES, PLANTES ORNEMENTALES, CULTURES FRUITIERES, ESPECES LIGNEUSES.

SEDIMENT

BOALS RG : WATER-RESOURCES BRANCH IS RESPONSIBLE FOR COLLECTION AND STORAGE OF HYDROMETRIC AND SEDIMENT DATA IN DATA-BASE (HYDAT) WITH ACTIVE PROVINCIAL COOPERATION. DATA-BASE CREATED TO PROVIDE READY AND DIRECT PUBLICATION OF HYDROMETRIC AND SEDIMENT RECORDS AND CONVENIENT ACCESS.
DICK TM : HYDRAULICS RESEARCH RELATED TO THE ENVIRONMENT: RIVER MECHANICS, DISPERSION SEDIMENT TRANSPORT, RIVER ICE, AIR, WATER INTERACTIONS, WAVE GENERATION, COASTAL ENGINEERING, SEDIMENTOLOGY, URBAN WATER-RESOURCES.
DUTKA BJ : MICROBIAL METHODOLOGY, MICROBIAL TOXICITY SCREENING TESTS, LEGIONELLA IN WATER, COLIPHAGE ENUMERATION, WATER-QUALITY ESTIMATION, BACTERIAL POLLUTION OF WATERS, MICROBIAL POPULATION ESTIMATES; WATER, POTABLE-WATER, SEDIMENT WATER QUALITY STANDARDS.
GILBERT R : STUDIES OF GLACIOMARINE ENVIRONMENTS IN ARCTIC & ALPINE REGIONS OF CANADA. WORK INCLUDES ANIMAL & SEDIMENT PROCESSES, THE ACTION OF SEA ICE.
INNISS WE : MICROBIAL PHYSIOLOGY AND ENVIRONMENTAL MICROBIOLOGY PSYCHROTROPHIC AND PSYCHROPHILIC MICROORGANISMS. EFFECTS OF TEMPERATURE ON MICROORGANISMS. MICROBIAL DEGRADATION. EFFECT OF TOXICANTS ON MICROORGANISMS. SEDIMENT MICROBIOLOGY.
KENNEY BC : PHYSICAL LIMNOLOGY OF PRAIRIE LAKES INCLUDING ASPECTS OF AIR & WATER INTERACTION, MIXING AND TURBULENCE, SEDIMENT RESUSPENSION AND LARGE SCALE LAKE CIRCULATION. EUTROPHICATION AND PHOSPHORUS DYNAMICS MODELS. WATER CIRCULATION UNDER WINTER ICE.
KICENIUK JW : AQUATIC TOXICOLOGY OF CHRONIC EXPOSURE. TOXICOLOGY OF HYDROCARBONS. ANALYSIS OF HYDROCARBONS IN WATER SEDIMENT AND BIOLOGICAL SAMPLES.
KOHLI B : PHYSICAL LIMNOLOGY; HYDRODYNAMIC-MODELLING & WATER-QUALITY SIMULATION, SEDIMENT. TRANSPORT, DISPERSION & DIFFUSION PROCESSES. ASSESSMENTS AND OPTIMIZATION OF SEWAGE OUTFALL (SUBMERGED DIFFUSERS) AND WATER INTAKE. LAKE HARBOUR EXCHANGE PROCESSES.
KRISHNAPPAN BG : RESEARCH INCLUDES RIVER FLOWS & SEDIMENT TRANSPORT. DEVELOPMENT OF MATHEMATICAL-MODELS OF RIVERFLOWS & THE BED & SUSPENDED SEDIMENT MOVEMENTS. STUDY OF MIXING PROCESSES IN RIVERS.
MACKNIGHT SD : IMPACTS OF DREDGING AND DREDGED MATERIAL DISPOSAL DISPOSAL OF DRILLING MUDS AND FLUIDS; DISPOSAL IN OCEANS; ESTUARINE CHEMISTRY; CHEMICAL OCEANOGRAPHY; BIOAVAILABILITY OF METALS; SEDIMENT WATER INTERACTIONS.
SCHREIER H : SOIL & SEDIMENT CHEMISTRY, TRACE-METAL CONTAMINATION. ASBESTOS IN THE ENVIRONMENT (SOIL, ROCKS, SEDIMENT, WATER, BIOTA). SOIL FERTILITY. REMOTE-SENSING.
SLY PG : GEOLOGY OF LARGE LAKE SYSTEMS, SEDIMENT WATER INTERACTIONS INCLUDING TOXIC & NUTRIENT CONTAMINANTS, DREDGING & MATERIAL DISPOSAL, SEDIMENT EROSION, DEPOSITION & TRANSPORT. AQUATIC HABITATS & SEDIMENT BIOTA (INVERTEBRATE & FISH) INTERACTIONS.
SNODGRASS WJ : RESEARCH INTO SEDIMENT WATER TRANSFER OF CONTAMINANTS (CHLORINATED ORGANICS, HEAVY-METALS, RADIONUCLIDES, ALKALINITY). WATER & WASTEWATER-TREATMENT PROCESSES. RADIOLOGICAL IMPACT OF NUCLIDE RELEASES.

SEDIMENTARY

LORBERG EF : ANALYSIS OF PROPOSED SCHEMES FOR DISPOSAL OF LIQUID-WASTE INTO DEEP FORMATIONS, WESTERN SEDIMENTARY BASIN WITH RESPECT TO CONSERVATION OF NATURAL-RESOURCES, MAINLY GROUNDWATER AND PROTECTION OF THE ENVIRONMENT.

SEDIMENTARY

SIMPSON F : POROSITY PERMEABILITY VARIATION IS RELATED TO LITHOLOGIC ASSOCIATIONS AND SEDIMENTARY STRUCTURE IN SEARCH RATIONALES, APPLIED TO RESERVOIR DEVELOPMENT IN EXPLOITATION OF HYDROCARBONS AND DEEP-WELL DISPOSAL OF FLUID, INDUSTRIAL-WASTES.

SEDIMENTATION

FRENETTE M : EROSION DES SOLS; TRANSPORT SOLIDE; SEDIMENTATION DANS LES LACS, RESERVOIRS & ESTUAIRES; STABILITE & MORPHOLOGIE DES COURS D'EAU. CONTAMINATION DES EAUX-SOUTERRAINES, MIGRATION DES POLLUANTS EN MILIEU PARTIELLEMENT SATURE.

MADRAMOOTOO C : AGRICULTURAL HYDROLOGY, WATERSHED ENGINEERING, ESTIMATION OF PEAK FLOWS, HYDROLOGIC TIME PARAMETERS & HYDROGRAPH ANALYSIS. TRICKLE IRRIGATION SYSTEM DESIGN. SOIL EROSION & SEDIMENTATION, ESTIMATION PESTICIDE & CHEMICAL LOSSES FROM AGRICULTURAL WATERSHEDS.

SERODES J : SEDIMENTATION AND DREDGING IN RIVERS AND ESTUARIES. WATER-QUALITY; SEDIMENT-QUALITY; DRINKING-WATER AND WASTEWATER-TREATMENT, IMPACT-ASSESSMENT ON AQUATIC-ECOSYSTEMS.

SEDIMENTS

KHALIL M : ORGANIC GEOCHEMISTRY OF SURFACE SEDIMENTS. ESTUARINE POLLUTION STUDIES INCLUDING THE CONTAMINATION OF MARINE ORGANISMS BY ORGANOHALOGENATED-COMPOUNDS AND POLYAROMATIC-HYDROCARBONS. TOXICOLOGICAL STUDIES OF INDUSTRIAL POLLUTANTS AND THEIR INTRODUCTION IN THE MARINE FOOD-CHAIN.

LEVY EM : RESEARCH INTO THE FATE & EFFECTS OF OIL IN & ON MARINE ENVIRONMENT. GEOCHEMICAL STUDIES OF NATURAL SEEPAGE OF OIL & GAS FROM THE SEA BED. MICROBIOLOGICAL & CHEMICAL STUDIES OF OIL DEGRADATION. BACKGROUND LEVELS OF PETROLEUM IN THE MARINE ENVIRONMENT. PAH IN SEDIMENTS.

MACKO SA : NITROGEN GEOCHEMISTRY OF MARINE SEDIMENTS AND PETROLEUM; EARLY DIAGENESIS OF ORGANIC MATTER; RESOLUTION OF FOOD-WEBS & ORIGINS OF STROMATOLITES THROUGH STABLE ISOTOPE ANALYSIS; KINETIC-ISOTOPIC FRACTIONATION OF ORGANIC AND INORGANIC SUBSTRATES.

NIEMELA UE : WATER-QUALITY MONITORING & ANALYSIS, ANALYSIS OF WATER, SEDIMENTS & BIOTA. WATER-QUALITY ASSESSMENT & INTERPRETATION. WATER-QUALITY OBJECTIVES & GUIDELINES DEVELOPMENT. WATER-POLLUTION CONTROL. TOXIC-CHEMICALS MANAGEMENT.

OUELLET M : PALEOLIMNOLOGICAL STUDY OF LAKE SEDIMENTS AS A MEANS OF RECONSTRUCTING PAST ANTHROPOGENIC IMPACTS. LONG-RANGE-ATMOSPHERIC-POLLUTANTS SUCH AS ACIDIFYING PRODUCTS, HEAVY-METALS, FLUORIDES AND POLYCYCLIC-HYDROCARBONS.

PINEL-ALLOUL B : ECOLOGIE-AQUATIQUE; ZOOPLANCTON; INTERACTIONS TROPHIQUES. PHYTOZOOPLANCTON. ECOTOXICOLOGIE: EFFETS DES METAUX-LOURDS ET DES POLLUANTS ASSOCIE AUX SEDIMENTS SUR LE ZOOPLANCTON. ENVIRONNEMENT: EFFETS DE LA MISE EN EAU DES RESERVOIRS NORDIQUES SUR LE ZOOPLANCTON.

POLLOCK TL : OPERATION OF A MONITORING AND SURVEY SERVICE ON THE AQUATIC ENVIRONMENT IN ATLANTIC CANADA. THIS INCLUDES EFFECTS OF LRTAP AND TOXIC-CHEMICALS, AS DEFINED BY ENVIRONMENT CANADA, ON SURFACE-WATERS, LAKE AND RIVER SEDIMENTS AND BIOTA.

SKAFEL MG : INTERACTION OF WATER WAVES & COHESIVE & NON-COHESIVE SEDIMENTS, SHORELINE EVOLUTION, WAVE STRUCTURE INTERACTION, WAVE HINDCASTING.

SLIWINSKI JF : FIRM SPECIALIZES IN PROVIDING ANALYTICAL SERVICES IN ENVIRONMENTAL CHEMISTRY OF GROUND, SURFACE & WASTEWATER, SOILS, SEDIMENTS, BIOTA & AIR SAMPLES AIR SAMPLES. CONDUCTS RESEARCH INTO IMPROVING MEASURING EQUIPMENT, METHODS, PROTOCOLS AND DATA-MANAGEMENT.

TERASMAE J : QUATERNARY GEOLOGY, PALYNOLOGY, PALEAECOLOGY, GEOCHRONOLOGY (RADIO-CARBON DATING), TREE-RING STUDIES; GEOCHEMISTRY, SEDIMENTOLOGY OF LAKE SEDIMENTS (PALEOLIMNOLOGY) & PEAT DEPOSITS FOR STRATIGRAPHIC-CORRELATION PALEOENVIRONMENTAL ANALYSIS (INCLUDING CLIMATE CHANGE, VEGETATION HISTORY & HUMAN ACTIVITIES).

TESSIER A : ETUDE DES RELATIONS ENTRE LA SPECIATION DE METAUX-TRACES DANS L' EAU ET LES SEDIMENTS ET LEUR ACCUMULATION DANS LES ORGANISMES BIOLOGIQUES.

VANDERMEULEN JH : RESEARCH: PHYSIOLOGICAL & BIOCHEMICAL, POLLUTION STRESS IN AQUATIC ORGANISMS PRIMARILY FROM PETROLEUM HYDROCARBONS. PHYSICAL & CHEMICAL, FATE & DISPOSITION OF PETROLEUM HYDROCARBONS IN COASTAL SEDIMENTS. COASTAL ZONE POLLUTION & MANAGEMENT.

YOUNG M : BACTERIAL POLLUTION OF SURFACE-WATERS & SEDIMENTS FROM FECAL (URBAN & RURAL) & INDUSTRIAL SOURCES; ANALYSIS & INTERPRETATION. DISPOSAL OF PATHOLOGICAL WASTE.

SEED

BRETT CP : MANAGEMENT OF PROVINCIAL FOREST RESOURCES; DEVELOPMENT OF METHODS FOR IMPROVING QUALITY OF TREE SEED & SEEDLINGS; EVALUATION OF TRIALS USING EXOTIC TREE SPECIES; PROMOTION & FACILITATION OF RESEARCH ON SASKATCHEWAN SILVICULTURE PROBLEMS.

FOGAL WH : FOREST-PROTECTION RESEARCH ON SEED TREES AND PLANTATIONS (ENTOMOLOGY AND PATHOLOGY), CHEMICAL-CONTROL (GROUND APPLICATIONS), BIOLOGICAL CONTROL (MICROBIALS), CULTURAL-CONTROL (HOST RESISTANCE; FOREST-STAND MANAGEMENT).

PITEL JA : PHYSIOLOGY & BIOCHEMISTRY OF SEED GERMINATION, SEED DORMANCY & SEED STORAGE PROBLEMS OF FOREST TREE SPECIES. STUDIES ON DNA: STRUCTURE & FUNCTION OF ORGANELLAR & NUCLEAR DNA. DNA CLONING, SEQUENCING ETC.

SEED

SEEDLINGS

BRETT CP : MANAGEMENT OF PROVINCIAL FOREST RESOURCES; DEVELOPMENT OF METHODS FOR IMPROVING QUALITY OF TREE SEED & SEEDLINGS; EVALUATION OF TRIALS USING EXOTIC TREE SPECIES; PROMOTION & FACILITATION OF RESEARCH ON SASKATCHEWAN SILVICULTURE PROBLEMS.

D'AOUST AL : PRODUCTION, GROWTH AND PHYSIOLOGY OF CONTAINERIZED FOREST TREE SEEDLINGS FOR REFORESTATION. ENVIRONMENTAL CONDITIONS TO FAVOUR ACCELERATED GROWTH AND HARDENING OF MATERIAL. THE STUDY OF GROWTH AND GAS EXCHANGE ANALYSIS, ALSO THE WATER RELATION OF ACCLIMATIZED SEEDLINGS.

SEEDS

WEINBERGER P : ECOPHYSIOLOGY AND TOXICOLOGY WITH SPECIAL REFERENCE TO SOILS, SOIL MICROORGANISMS, WATER (FRESH AND ESTUARINE) AQUATIC MICRO AND MACROPHYTES AND SOME TREES INDIGENOUS TO CANADA. FATE TRANSPORT, UPTAKE, EFFECTS ON PHYSIOLOGY AND DEVELOPMENT OF N2-FIXING CYANOBACTERIA, ALGAE, AQUATIC MACROPHYTES AND SOME GYMNOSPERM AND ANGIOSPERM TREE SEEDS.

SEEPAGE

FORSTER JT : SEEPAGE CONTROL INVESTIGATIONS & DESIGN ALONG IRRIGATION HEADWORKS.

LEVY EM : RESEARCH INTO THE FATE & EFFECTS OF OIL IN & ON MARINE ENVIRONMENT. GEOCHEMICAL STUDIES OF NATURAL SEEPAGE OF OIL & GAS FROM THE SEA BED. MICROBIOLOGICAL & CHEMICAL STUDIES OF OIL DEGRADATION. BACKGROUND LEVELS OF PETROLEUM IN THE MARINE ENVIRONMENT. PAH IN SEDIMENTS.

SEISMIC

AKSU A E : PALEOCLIMATIC AND OCEANOGRAPHIC EVOLUTION OF THE LABRADOR-SEA AND BAFFIN-BAY DURING THE LAST 25 MA ODP (LEG 105) ARCTIC OCEAN CHRONOSTRATIGRAPHY. SEISMIC STRATIGRAPHY OF SMALL DELTAS IN MICROTIDAL SETTING (AEGEAN-SEA). SEDIMENTOLOGY AND GEOCHEMISTRY OF SALINE AND BITTER LAKES IN ANATOLIA. AMINO-ACID EPIMERIZATION IN FORAMINIFERA. SEDIMENTOLOGY AND SEISMIC STRATIGRAPHY OF FIORDS AND BAYS AROUND NEWFOUNDLAND. SEDIMENTOLOGY OF SHELF BASINS, SLOPE AND RISE TRANSITION.

WARNOCK ACC : SOUND TRANSMISSION OF ABSORPTION OF BUILDING SYSTEMS & MATERIALS. NOISE & VIBRATION CRITERIA FOR BUILDINGS. DYNAMIC RESPONSE OF STRUCTURES TO VIBRATION. BEHAVIOUR OF SOUND IN ROOMS. PENETRATION OF TRANSPORTATION NOISE & VIBRATION INTO BUILDINGS. SEISMIC REQUIREMENTS IN CANADIAN BUILDINGS.

SEISMICITY

BINGHAM DK : MONITORING OF INDUCED SEISMICITY IN THE AREAS OF HEAVY OIL EXTRACTION, ABANDONED COAL MINE (TURTLE-MOUNTAIN) & RESERVOIR (OLDMAN RIVER).

SELENIUM

CARTY AJ : HEAVY-METAL POLLUTION IN THE ENVIRONMENT. BINDING OF HEAVY-METALS BY LIGANDS OF BIOLOGICAL SIGNIFICANCE. CHELATION-THERAPY FOR HEAVY-METALS. METHYLATION OF LEAD AND TIN IN THE ENVIRONMENT. SELENIUM PROTECTION AGAINST HEAVY-METALS.

SELS-D'ALUMINIUM

GALAND JL : PRODUITS CHIMIQUES POUR TRAITEMENT DE L' EAU-DE-BOUES ET DES ECUMES. SELS-D'ALUMINIUM. POLYELECTROLYTES. DISPERSANTS. SILICE ACTIVEE.

SENSITIVITY-MAPPING

BOSTON NEJ : PHYSICAL OCEANOGRAPHY; AIR & SEA INTERACTION AND TURBULENCE; MICROMETEOROLOGY OIL-SPILL CONTINGENCY-PLANNING; PLANNING AND EXECUTION OF INTERNATIONAL RESEARCH PROGRAMS: TEACHING OF UNDERGRADUATE GRADUATE OCEANOGRAPHY COURSES; DEVELOPMENT OF OCEANOGRAPHY PROGRAMS FOR DEVELOPING-COUNTRIES AND UNIVERSITIES. RESOURCE DATA-BASE DEVELOPMENT. COMPUTERIZED RESOURCE & SENSITIVITY-MAPPING.

SENSOR-SYSTEMS

LAPP PA : REMOTE-SENSING: AIRCRAFT & SATELLITE. SCIENCE POLICY, INDUSTRIAL STRATEGIES, TECHNOLOGY-TRANSFER. SENSOR-SYSTEMS, INSTRUMENTATION.

SEWAGE

BALACKO GD : ASSIST WITH DEVELOPMENT & IMPLEMENTATION OF TRAINING MATERIAL FOR WATERWORKS AND SEWAGE WORKS OPERATORS MANAGING SMALL SYSTEMS.
BATES TE : SOIL-FERTILITY, PLANT NUTRIENT RESPONSE & PREDICTION OF REQUIREMENTS, SOIL TESTING & PLANT ANALYSIS INCLUDING MICRONUTRIENTS & HEAVY-METALS, USE OF SEWAGE SLUDGE ON LAND.
CASEY PJ : ON-SITE SEWAGE DISPOSAL (ALL ASPECTS). WATER-SUPPLY (REGULATORY). SEWAGE COLLECTION & DISPOSAL (CENTRAL) (REGULATORY).
GANCZARCZYK JJ : APPLICATION OF ACTIVATED SLUDGE PROCESS FOR TREATMENT OF SEWAGE & INDUSTRIAL-EFFLUENTS, INHIBITION OF NITRIFICATION, PHYSICAL BEHAVIOUR OF BIOLOGICAL FLOCS, ROLE OF SOLID SURFACE IN SUSPENDED GROWTH TREATMENT, ESTIMATION OF BIOMASS PRODUCTION & HAZARDOUS WASTE-TREATMENT & DISPOSAL.
KOHLI B : PHYSICAL LIMNOLOGY; HYDRODYNAMIC-MODELLING & WATER-QUALITY SIMULATION, SEDIMENT. TRANSPORT, DISPERSION & DIFFUSION PROCESSES. ASSESSMENTS AND OPTIMIZATION OF SEWAGE OUTFALL (SUBMERGED DIFFUSERS) AND WATER INTAKE. LAKE HARBOUR EXCHANGE PROCESSES.
LUTWICH G : LAND SPREADING OF MUNICIPAL SEWAGE & INDUSTRIAL-WASTES; INVOLVING BIOLOGICAL TESTING OF WASTES FOR APPLICATION TO LAND.
MCKIM MP : DESIGN, DEVELOPMENT & APPLICATION OF WATER & AIR-POLLUTION ABATEMENT DEVICES. EXAMPLES ARE ROTATING BIOLOGICAL CONTACTORS, PHENOL CONTROL, WATER-REUSE SYSTEMS & USE OF PEAT FOR SEWAGE TREATMENT.
PATEL GB : ISOLATION, CHARACTERIZATION & STUDY OF THE PHYSIOLOGY OF OBLIGATE-ANAEROBES INVOLVED IN THE BREAKDOWN OF COMPLEX ORGANIC MATTER PRESENT IN ANAEROBIC ECOSYSTEMS (CELLULOLYTIC, SACCHAROLYTIC, METHANOGENIC-BACTERIA). SEWAGE TREATMENT; PULP & PAPER.
RAO SS : MICROBIOLOGICAL WATER-QUALITY OF GREAT LAKES & ACID-STRESSED LAKES. MICROBIAL BIODEGRADATION. MICROBIAL TOXICITY SCREENING. MICROBIOLOGY OF SEWAGE. INDUSTRIAL-WASTES. MICROBES & ENVIRONMENTAL STRESS. DIAGNOSTIC ENTERIC BACTERIOLOGY. TOXIC METAL, MICROBES ASSOCIATION. ACTIVATED SLUDGE & VITAMIN B12.
ROMANO LS : CHEMICAL ENGINEERING. MINING AND COMBUSTION CONTROL; HEAVY CHEMICAL INDUSTRY TECHNICAL DEVELOPMENT MANAGEMENT. SEWAGE AND WASTE CONTROL EXPERIENCE. FIRST CHEMICAL-PHYSICAL S.T.P. AND AERATED COMPOST FACILITY IN CANADA.
VANLOON GW DR : EFFECTS OF INDUSTRIAL ACTIVITIES ON THE SOIL INCLUDING STUDIES ON ACID-RAIN, MINE-TAILINGS, SEWAGE SLUDGE. SOIL CHEMICAL PROCESSES. ENVIRONMENTAL TRACE-ELEMENT ANALYSIS.
WALLER DH : URBAN STORMWATER QUALITY AND QUANTITY. NON-POINT SOURCE POLLUTION. URBAN RESEARCH WATERSHEDS. RAIN-WATER CISTERN SYSTEMS. ON-SITE SEWAGE DISPOSAL.
WARMAN PR : SOIL-FERTILITY & CONSERVATION THROUGH ORGANIC AMENDMENTS (ANIMAL & GREEN MANURES, COMPOSTS, SEWAGE SLUDGE); MINE-TAILINGS & LAND RECLAMATION; SOIL & PLANT RELATIONSHIPS IN CONSERVATION & RECLAMATION.

SHEEP

HOEFS ME : POPULATION-DYNAMICS & RANGE USE OF BOVIDS, SPECIFICALLY WILD SHEEP & BISON. HORN GROWTH CHARACTERISTICS OF WILD SHEEP & MOUNTAIN GOATS & THEIR RELEVANCE TO MANAGEMENT.

SHELLFISH

PRAKASH A : MARINE POLLUTION, COASTAL ZONE MANAGEMENT, COASTAL AQUACULTURE, SHELLFISH, MARINE PRODUCTIVITY, RED-TIDES, SHELLFISH POISONING, ENVIRONMENTAL-QUALITY, ECOLOGY, ENVIRONMENTAL-IMPACT-ASSESSMENT MARINE PHYTOPLANKTON, TOXICITY, PHYSIOLOGY, DINOFLAGELLATES.
WHITE AW : MARINE PLANKTON ECOLOGY, PHYSIOLOGY, TOXICOLOGY. TOXIC PLANKTON BLOOMS. PARALYTIC SHELLFISH-POISONING. EFFECTS OF TOXIC RED-TIDES ON SHELLFISH AND FINFISH RESOURCES. FATE AND CONSEQUENCES OF MARINE TOXINS IN FOOD-WEBS.
WHYTE JNC : BIOCHEMICAL INVESTIGATIONS ON ENVIRONMENTAL STRESS RELATED TO LIVE HOLDING & STORAGE CONDITIONS FOR SHELLFISH. STUDIES ON CHANGES OF METABOLIC & ENERGY RESERVES IN BIVALVES SUBJECTED TO NATURAL OR ARTIFICIAL FEED (FROM BATCH CULTURED MARINE PHYTOPLANKTON).

SHORELINE

COAKLEY JP : POST-PLEISTOCENE AND MODERN EVOLUTION OF THE COASTAL ZONE, INCLUDING THE EFFECTS OF NATURAL AND MAN-INDUCED PROCESSES. BEACH AND SHORELINE COVERS IN THE FACE OF INDUSTRIAL AND RECREATIONAL DEVELOPMENT OF THE COASTAL ZONE.
SKAFEL MG : INTERACTION OF WATER WAVES & COHESIVE & NON-COHESIVE SEDIMENTS, SHORELINE EVOLUTION, WAVE STRUCTURE INTERACTION, WAVE HINDCASTING.

SHORELINES

DYKSTRA TL : RECREATIONAL LAND-USE PLANNING: FOR RESERVOIRS, RESERVOIR SHORELINES & RIVER VALLEYS TO PROTECT WATER-RESOURCE MANAGEMENT OBJECTIVES.

SHORT-ROTATION-FORESTRY

SILVERSIDES CR : TIMBER HARVESTING (ENVIRONMENTAL-IMPACT) SHORT-ROTATION-FORESTRY ENERGY PLANTATIONS. ENERGY FROM BIOMASS AND OTHER RENEWABLES.

SHRIMP

SANDEMAN EJ : STOCK-ASSESSMENTS AND RELATED RESEARCH ON FISH OF GENUS SEBASTES, SHRIMP (PANDALUS SP.) AND CRABS (CHIONOCETES OPILIO). EXPERTISE IN MANAGEMENT OF RESEARCH AND DEVELOPMENT PROJECTS AND FISHERIES MANAGEMENT POLICY DEVELOPMENT. INTEREST IN COMPUTER BASED DATA-ACQUISITION METHODOLOGY.
SAWCHYN WW : AQUATIC ECOLOGY WITH EMPHASIS ON FISHERIES, AQUATIC ENTOMOLOGY, BRINE SHRIMP AND AQUACULTURE.

SHRUBS

DUGLE JR : BIOSYSTEMATICS & PLANT ECOLOGY. EFFECTS OF GAMMA-RAYS ON PLANT SPECIES & ASSOCIATIONS WITH EMPHASIS ON TREES & SHRUBS.
HEALE EL : DEVELOPMENT OF WOODY TREES AND SHRUBS ON TAILINGS; TRACE-ELEMENTS (ESPECIALLY NICKEL AND COPPER). EFFECTS ON VEGETATION; EXPERIMENTS UTILIZING WASTE GEOTHERMAL HEAT ENERGY FOR THE PRODUCTION OF GREENHOUSE VEGETABLE AND FORESTRY CROPS; INVESTIGATION, NEGOTIATION AND SETTLEMENT OF CLAIMS FOR VEGETATION DAMAGE.
MACARTHUR JD : SILVICULTURE: MIXED HARDWOOD FORESTS; FOREST-PLANTATIONS. FOREST-MANAGEMENT: SPECIAL CHARACTERISTICS OF PRIVATE WOODLANDS. URBAN FORESTRY: SELECTION & CARE OF ORNAMENTAL TREES & SHRUBS & BIOLOGICAL & ENVIRONMENTAL PROBLEMS OF URBAN VEGETATION.

SILICE

GALAND JL : PRODUITS CHIMIQUES POUR TRAITEMENT DE L' EAU-DE-BOUES ET DES ECUMES. SELS-D'ALUMINIUM. POLYELECTROLYTES. DISPERSANTS. SILICE ACTIVEE.

SILVICULTURE

BARKER DJ : PRACTICAL APPLICATIONS OF ECOLOGICAL CLASSIFICATION. SILVICULTURE PLANNING AND IMPLEMENTATION, INCLUDING REFORESTATION, STAND-TENDING AND REHABILITATION. WOOD RELATED INVENTORIES: BIOMASS; SAWN AND PULP PRODUCTS; FUELWOOD. FOREST-MANAGEMENT PLANNING; TIMBER YIELD ANALYSIS BY COMPUTER.
BRETT CP : MANAGEMENT OF PROVINCIAL FOREST RESOURCES; DEVELOPMENT OF METHODS FOR IMPROVING QUALITY OF TREE SEED & SEEDLINGS; EVALUATION OF TRIALS USING EXOTIC TREE SPECIES; PROMOTION & FACILITATION OF RESEARCH ON SASKATCHEWAN SILVICULTURE PROBLEMS.
ILLINGWORTH K : RESEARCH IN SILVICULTURE, BIOMETRICS & SYSTEMS, ECOLOGY & EARTH SCIENCES, INTEGRATED RESOURCE-MANAGEMENT, TREE PHYSIOLOGY & TREE IMPROVEMENT TO SOLVE PROBLEMS IN FOREST & RANGE MANAGEMENT.
JEGLUM JK : WETLAND AND PEATLAND CLASSIFICATION AND ECOLOGY; BLACK-SPRUCE REGENERATION; SILVICULTURE; VEGETATION AND FLORISTICS OF BOREAL-FORESTS; SUCCESSION AND DYNAMICS OF BOREAL-FORESTS.
JORGENSEN E : SILVICULTURE, ARBORICULTURE AND AGROFORESTRY WITH AN EMPHASIS ON URBAN FORESTRY SPECIES SELECTION, CULTURAL TECHNIQUES AND DISEASE CONTROL.
MACARTHUR JD : SILVICULTURE: MIXED HARDWOOD FORESTS; FOREST-PLANTATIONS. FOREST-MANAGEMENT: SPECIAL CHARACTERISTICS OF PRIVATE WOODLANDS. URBAN FORESTRY: SELECTION & CARE OF ORNAMENTAL TREES & SHRUBS & BIOLOGICAL & ENVIRONMENTAL PROBLEMS OF URBAN VEGETATION.
POLLOCK WS : FOREST RESEARCH AND MANAGEMENT SPECIALIZING IN PRIVATE LAND. POLICY, SILVICULTURE, REFORESTATION, REVEGETATION, FOREST INVENTORY, GROWTH STUDIES.
ROBERGE MRR : FOREST SOIL-FERTILITY AND MICROBIOLOGY AND FOREST-MANAGEMENT AND SILVICULTURE.
ROSS G : HERBICIDE ENVIRONMENTAL-IMPACT-ASSESSMENT. SPRUCE PLANTATION ESTABLISHMENT, GROWTH & YIELD. GENETIC TREE IMPROVEMENT. TREE NURSERIES. SILVICULTURE WORK STUDY, PRODUCTIVITY TRIALS.
SUTTON RF : PLANTATION ESTABLISHMENT IN FORESTRY (REGENERATION SILVICULTURE) IN THE BOREAL-FOREST: ALSO SCIENTIFIC & TECHNICAL EDITING.
WEETMAN GF : STUDY OF STATE OF CANADIAN FOREST-MANAGEMENT. NUTRIENT-CYCLING AND FERTILIZATION RESEARCH. SILVICULTURE OF CANADIAN FOREST TYPES.

SIMULATION

ADAMS BJ : WATER-RESOURCES SYSTEMS ANALYSIS: PLANNING, DESIGN, OPERATION AND MANAGEMENT; WATER-QUALITY MANAGEMENT; REGIONAL WASTEWATER MANAGEMENT; APPLICATIONS OF SYSTEMS ANALYSIS (STATISTICAL, SIMULATION, AND OPTIMIZATION) TECHNIQUES TO ENVIRONMENTAL SYSTEMS; RESERVOIR ANALYSIS; HYDROLOGIC MODELLING; STORMWATER MANAGEMENT; FLOOD CONTROL AND DRAINAGE; IRRIGATION; HYDROLOGIC & METEOROLOGIC DATA-ANALYSIS URBAN WATER SYSTEMS.
AMBLER DC : SURFACE-WATER HYDROLOGY IN THE ATLANTIC PROVINCES AND THE EASTERN ARCTIC ISLANDS. RUNOFF SIMULATION. WATERSHED FORECASTING.
CROSS PM : LIMNOLOGIST RESPONSIBLE FOR ROUTINE WATER-QUALITY MONITORING & SPECIAL STUDIES WITHIN THE RED-DEER, OLDMAN & MILK-RIVER BASINS. MAINTAIN & APPLY WATER-QUALITY SIMULATION MODEL (WQRRS) TO RIVERS IN THE SOUTH-SASKATCHEWAN RIVER BASIN.
GRAY DM : RESEARCH INTO HYDROLOGICAL PROBLEMS IMPORTANT TO COLD CLIMATE REGIONS & SEMI-ARID ENVIRONMENT. INTERESTS INCLUDE: HEAT & MASS TRANSFER IN FREEZING SOILS; SNOWMELT INFILTRATION & STREAMFLOW SIMULATION; WATER-USE.
KOHLI B : PHYSICAL LIMNOLOGY; HYDRODYNAMIC-MODELLING & WATER-QUALITY SIMULATION, SEDIMENT. TRANSPORT, DISPERSION & DIFFUSION PROCESSES. ASSESSMENTS AND OPTIMIZATION OF SEWAGE OUTFALL (SUBMERGED DIFFUSERS) AND WATER INTAKE. LAKE HARBOUR EXCHANGE PROCESSES.
LEY BE : AIR-QUALITY MODELLING INCLUDING SMALL SCALE, MESOSCALE & LONG-RANGE TRANSPORT OXIDANT SIMULATION, MESOSCALE METEOROLOGICAL MODELLING FOR APPLICATION IN AIR-POLLUTION STUDIES. LONG-RANGE-TRANSPORT MODELLING EMPLOYING LAGRANGIAN MODELS.

SITE-CLASSIFICATION

HOLLAND WD : ECOLOGICAL LAND-CLASSIFICATION & FOREST SITE-CLASSIFICATION INCLUDING LAND FORM, SOIL AND VEGETATION RESOURCE COMPONENTS.
SIMS RA : VEGETATION AND SITE-CLASSIFICATION OF BOREAL-FORESTS, SUBARCTIC WETLAND AND ARCTIC TUNDRA AREAS. FOREST-ECOSYSTEM CLASSIFICATION OF BOREAL NORTHERN ONTARIO. REMOTE-SENSING FOR VEGETATION STUDY; MAPPING AND INVENTORY (USING SATELLITE AND AERIAL-PHOTO DATA).

SKIMMERS

TEDESCHI ETT : DESIGN AND MANUFACTURE OF OIL-SPILL RESPONSE SYSTEMS. SELECTION OF BOOMS, SKIMMERS, SORBENTS, DISPERSANTS AND DELIVERY SYSTEMS TO MEET SPECIFIC SPILL SCENARIOS OF CONCERN TO CUSTOMER.

SLIDS

SIROIS LL : ALL ASPECTS RELATED TO MINERAL INDUSTRY PROCESS EFFLUENTS: SLIDS (TAILINGS), LIQUIDS (EG. CYANIDE SOLUTIONS) & GASES (EG. AIRBORNE ARSENICAL FUMES). UNDERSTANDING THE PHENOMENA & DEVELOPING SYSTEMS TO REDUCE ENVIRONMENTAL-IMPACT.

SLUDGE

BATES TE : SOIL-FERTILITY, PLANT NUTRIENT RESPONSE & PREDICTION OF REQUIREMENTS, SOIL TESTING & PLANT ANALYSIS INCLUDING MICRONUTRIENTS & HEAVY-METALS, USE OF SEWAGE SLUDGE ON LAND.
GANCZARCZYK JJ : APPLICATION OF ACTIVATED SLUDGE PROCESS FOR TREATMENT OF SEWAGE & INDUSTRIAL-EFFLUENTS, INHIBITION OF NITRIFICATION, PHYSICAL BEHAVIOUR OF BIOLOGICAL FLOCS, ROLE OF SOLID SURFACE IN SUSPENDED GROWTH TREATMENT, ESTIMATION OF BIOMASS PRODUCTION & HAZARDOUS WASTE-TREATMENT & DISPOSAL.
GUIOT SR : ANAEROBIC-WASTEWATER-TREATMENT. DEVELOPMENT OF ADVANCED REACTOR CONFIGURATIONS. MODELLING (STEADY STATE & DYNAMIC). EFFECT OF HYDRAULIC AND ORGANIC FACTORS ON THE SLUDGE GRANULATION INDUCTION. DETOXIFICATION (HEAVY METALS).
RAO SS : MICROBIOLOGICAL WATER-QUALITY OF GREAT LAKES & ACID-STRESSED LAKES. MICROBIAL BIODEGRADATION. MICROBIAL TOXICITY SCREENING. MICROBIOLOGY OF SEWAGE. INDUSTRIAL-WASTES. MICROBES & ENVIRONMENTAL STRESS. DIAGNOSTIC ENTERIC BACTERIOLOGY. TOXIC METAL, MICROBES ASSOCIATION. ACTIVATED SLUDGE & VITAMIN B12.
VANLOON GW DR : EFFECTS OF INDUSTRIAL ACTIVITIES ON THE SOIL INCLUDING STUDIES ON ACID-RAIN, MINE-TAILINGS, SEWAGE SLUDGE. SOIL CHEMICAL PROCESSES. ENVIRONMENTAL TRACE-ELEMENT ANALYSIS.
WARMAN PR : SOIL-FERTILITY & CONSERVATION THROUGH ORGANIC AMENDMENTS (ANIMAL & GREEN MANURES, COMPOSTS, SEWAGE SLUDGE); MINE-TAILINGS & LAND RECLAMATION; SOIL & PLANT RELATIONSHIPS IN CONSERVATION & RECLAMATION.

SLUDGE-BLANKET

RAMALHO RS : WASTEWATER-TREATMENT PROCESSES. REMOVAL OF TOXIC ELEMENTS OR COMPOUNDS FROM WASTEWATERS BY ADSORPTION PROCESSES. ANAEROBIC-WASTEWATER-TREATMENT OF HIGH BOD BY UPFLOW ANAEROBIC SLUDGE-BLANKET REACTORS.

SLURRIES

SALTER RS : STUDY OF MINE AND MILL EFFLUENT TAILINGS, SLURRIES AND WATERS. CYANIDE DESTRUCTION, HEAVY-METALS PRECIPITATION, SUSPENDED-SOLIDS REMOVAL.
TOUGH G : MANUFACTURE, DISTRIBUTION AND SERVICING OF FLOW MEASUREMENT PRODUCTS & SYSTEMS FOR RESOURCE MANAGEMENT OF FLUIDS SUCH AS WATER, PETROLEUM PRODUCTS, CHEMICALS, SLURRIES AND NATURAL-GAS.

SMELTERS

HUTCHINSON TC : ACID-RAIN STUDIES OF TERRESTRIAL-ECOSYSTEMS. HEAVY-METAL TOXICITY TO PLANTS AND ALGAE, ECOTOXICOLOGY OF NICKEL, COPPER, LEAD. EFFECTS OF SMELTERS. OIL-SPILL AND HYDROCARBON TOXICITY RESEARCH. ARCTIC AND BOREAL AREAS.
PHILLIPS SF : VEGETATION & SOIL STUDIES TO DETERMINE DEGREE & EXTENT OF ENVIRONMENTAL-CONTAMINATION & EFFECTS ON TERRESTRIAL-ECOSYSTEMS. DIRECT & INDIRECT EFFECTS OF HEAVY-METALS & SULPHUR-DIOXIDE FROM NON-FERROUS METAL SMELTERS ON BOREAL-FOREST ECOSYSTEMS; MONITOR LRTAPS, WOOD PRESERVATIVE CHEMICALS.
WOTTON DL : LEAD: DEPOSITION & ACCUMULATION IN URBAN SOILS, SMELTER EMISSIONS, EXHAUST, PAINT RESIDUES. FOREST: EFFECTS FROM MINING SMELTERS ON VEGETATION & SOIL, NORTHERN BOREAL-FOREST ECOSYSTEMS, CONIFEROUS REGENERATION IMPACTS FROM HEAVY-METAL CONTAMINATED SOILS. SOIL & GEOLOGY SENSITIVITY MAPPING FOR ACID-RAIN. HERBICIDES.

SMOKE

BOWEN RP : RESEARCH TO PROVIDE THE KNOWLEDGE BASE REQUIRED FOR THE DESIGN AND OPERATION OF BUILDING SERVICES INCLUDING VENTILATION AND AIR MOVEMENT, SMOKE CONTROL IN TALL BUILDINGS, LIGHTING AND ADVANCED TECHNOLOGY IN BUILDINGS AS WELL AS FOR THE DESIGN OF THE BUILDING ENVELOPE FOR THE CONTROL OF HEAT, AIR AND MOISTURE.

SNOW

ADAMS WP : ASPECT OF HYDROLOGY AND BIOLOGY INVOLVING SNOW AND ICE. STUDIES ON SNOW-COVER, LAKE ICE AND GLACIERS. STUDIES IN ARCTIC, SUBARCTIC AND COLD TEMPERATE REGIONS.
DAUGHARTY DA : INFLUENCE OF FOREST COVER AND MESO-SCALE TOPOGRAPHIC CHARACTERISTICS ON SNOW COVER; INSTALLATION & MAINTENANCE OF METEOROLOGICAL & HYDROMETRIC INSTRUMENTATION, PROGRAMMING OF DATA LOGGERS. ENERGY BALANCE DETERMINATION IN A FORESTED ENVIRONMENT.
GARDNER JS : SNOW & ICE HYDROLOGY, GLACIOLOGY & EROSION IN HIGH MOUNTAIN AREAS. NATURAL HAZARDS (FLOODS, AVALANCHES, LANDSLIDES IN MOUNTAIN ENVIRONMENTS.
GERATH RF : AERIAL-PHOTOGRAPHY INTERPRETATION FOR GEOTECHNICAL ENGINEERING AND RELATED ENVIRONMENTAL STUDIES. SPECIALIST IN ROUTE/SITE-LOCATION STUDIES, LANDSLIDES AND SNOW AVALANCHE HAZARD EVOLUTIONS.
JONES HG : CHEMISTRY OF SNOW FALL & SNOW-COVER. SNOWMELT IN NORTHERN ECOSYSTEMS. DRY DEPOSITION & TRANSFORMATION OF N-SPECIES TO SNOW-COVER IN BOREAL-FOREST WATERSHEDS.

SNOW-COVER

ADAMS WP : ASPECT OF HYDROLOGY AND BIOLOGY INVOLVING SNOW AND ICE. STUDIES ON SNOW-COVER, LAKE ICE AND GLACIERS. STUDIES IN ARCTIC, SUBARCTIC AND COLD TEMPERATE REGIONS.
DICKISON RBB : CHANGES IN WATER AND ENERGY BALANCES, STREAMFLOW REGIME AND SNOW-COVER AFTER FOREST HARVESTING ARE BEING RESEARCHED AS PART OF THE NASHWAAK EXPERIMENTAL WATERSHED PROJECT. THE INFLUENCE OF LOW-LEVEL TEMPERATURE INVERSIONS AND LAPSE RATES ON THE EFFICACY OF AERIAL SPRAYS ARE BEING STUDIED IN CONJUNCTION WITH THE NEW-BRUNSWICK SPRAY EFFICACY RESEARCH GROUP.
JONES HG : CHEMISTRY OF SNOW FALL & SNOW-COVER. SNOWMELT IN NORTHERN ECOSYSTEMS. DRY DEPOSITION & TRANSFORMATION OF N-SPECIES TO SNOW-COVER IN BOREAL-FOREST WATERSHEDS.

SNOWMELT

BESNER DI : STUDIES ON VARIETY OF ENVIRONMENTAL ISSUES: IMPACTS OF ACID-RAIN (WET SULPHATE DEPOSITION). FATE OF PESTICIDES, PH SHOCK FROM SNOWMELT. ORIENTED TO PRACTICAL APPLICATION OF CONTROL PROGRAMS, ENVIRONMENTAL-PLANNING & ENVIRONMENTAL-ASSESSMENT TECHNIQUES.
GRAY DM : RESEARCH INTO HYDROLOGICAL PROBLEMS IMPORTANT TO COLD CLIMATE REGIONS & SEMI-ARID ENVIRONMENT. INTERESTS INCLUDE: HEAT & MASS TRANSFER IN FREEZING SOILS; SNOWMELT INFILTRATION & STREAMFLOW SIMULATION; WATER-USE.
JONES HG : CHEMISTRY OF SNOW FALL & SNOW-COVER. SNOWMELT IN NORTHERN ECOSYSTEMS. DRY DEPOSITION & TRANSFORMATION OF N-SPECIES TO SNOW-COVER IN BOREAL-FOREST WATERSHEDS.
WHITELEY HR : IMPACT OF AGRICULTURAL USE OF LAND, INCLUDING DRAINAGE ON QUALITY & QUANTITY OF STREAMFLOW & GROUNDWATER. WATERSHED MONITORING OF SNOWMELT INCLUDING ACID SHOCK EFFECTS.

SNOWMELTER

MILLER PB : COMBUSTION EQUIPMENT; WASTE-INCINERATORS; HEAT RECOVERY; SNOWMELTER EQUIPMENT.

SOCIAL

BERNHART AP : ENVIRONMENTAL-PLANNING AND ENGINEERING APPLYING A NEW METHOD OF POLLUTION-CONTROL WHEREBY ORGANIC & TOXIC POLLUTANTS ARE ABSORBED BY VEGETATIVE MATTER. CHANGING SOCIAL PATTERNS WHICH WILL POSITIVELY INFLUENCE THE ENVIRONMENT.
BREGHA F : ENVIRONMENTAL ASPECTS OF POLITICAL, SOCIAL AND ECONOMIC DEVELOPMENT ACTIVITIES, PLANS AND PROGRAMS IN NORTHERN CANADA, YUKON AND NORTHWEST-TERRITORIES.
CHAMBERS AD : SYNTHESIS OF SOCIAL, ECONOMIC & BIOPHYSICAL PROPERTIES OF NATURAL RESOURCE SYSTEMS. SOCIAL LIMITS TO INTEGRATED MANAGEMENT.
DE'ATH CE : KOREA: RESEARCH ON POPULATION, AIR & WATER-QUALITY, NUCLEAR-WASTE, AGRICULTURE & INDUSTRIAL POLLUTION WILDLIFE. PAPUA-NEW-GUINEA: MANUS-ISLAND & FORESTRY DEVELOPMENT IMPACTS. CANADA: SOCIAL & ENVIRONMENTAL-ASSESSMENT (LAKE EUGENIA, NWT), ENERGY EDUCATION IN ONTARIO, MINING IN WINDIGO TRIBAL AREA OF NORTHERN ONTARIO.
DONNAN J : ACID-RAIN SOCIO-ECONOMIC RESEARCH PROGRAM CONSISTING OF DAMAGES & BENEFITS; COST OF ABATEMENT & MITIGATION; TOOLS FOR EVALUATION & POLICY DEVELOPMENT. INTEGRATION OF NATURAL & SOCIAL SCIENCE DATA TO DEVELOP POLICY RELEVANT DOCUMENTATION. MODELLING OF ACIDIFICATION EFFECTS.
FENTON MB : BEHAVIOUR OF BATS (CHIROPTERA); ECHOLOCATION, SOCIAL INTERACTIONS; FEEDING, CONTROL; COMMUNICATION; ULTRASONICS.
GREAT LAKES INSTITUTE : ONLY UNIVERSITY-BASED AGENCY IN CANADA DEVOTED TO GREAT-LAKES STUDIES. SOLVES ENVIRONMENTAL PROBLEM IN THE LAKES' ECOSYSTEM. INCREASES PUBLIC-AWARENESS OF ENVIRONMENTAL ISSUES IN THE GREAT-LAKES BASIN. HAS EXPERTISE OF THIRTY PHYSICAL AND SOCIAL SCIENTISTS.
HART JR : COORDINATION OF PLANNING ACTIVITIES FOR EFFECTIVE & EFFICIENT DEVELOPMENT & USE OF WATER-RESOURCES OF SOUTHERN ALBERTA CONSIDERING ECONOMIC, SOCIAL & ENVIRONMENTAL FACTORS.
HICKS R : COORDINATION OF PLANNING ACTIVITIES FOR THE EFFECTIVE AND EFFICIENT DEVELOPMENT AND USE OF WATER-RESOURCES OF NORTHERN ALBERTA CONSIDERING ECONOMIC, SOCIAL AND ENVIRONMENTAL FACTORS.
HUGHES CJ : A GEOLOGIST'S PERSPECTIVE OF THE HUMAN PREDICAMENT (BOOK). ISSUES ADDRESSED INCLUDE: THE EFFECT OF RESEARCH AND TECHNOLOGY ON THE ENVIRONMENT; SOCIAL RESPONSIBILITY OF THE SCIENTIFIC COMMUNITY, NUCLEAR ENERGY AND THE MANAGEMENT OF OUR NATURAL-RESOURCES.
LANG RS : ENVIRONMENTAL & SOCIAL IMPACT-ASSESSMENT. INTEGRATED LAND AND WATER PLANNING. WASTE-MANAGEMENT PLANNING. INTEGRATED RESOURCE-MANAGEMENT. PLANNING THEORY & PRACTICE.
MARSHALL DWI : ENVIRONMENTAL-PROTECTION, ENVIRONMENTAL ENGINEERING, ENVIRONMENTAL DESIGN, ENVIRONMENTAL AND SOCIAL IMPACT-ASSESSMENT, PUBLIC-PARTICIPATION, PROVISION OF TECHNICAL AND ADMINISTRATIVE ADVICE TO ENVIRONMENTAL REVIEW COMMISSIONS, CHAIRMAN OF PUBLIC REVIEW PANELS, POLICY FORMULATION, PROGRAM AND PROJECT MANAGEMENT. ARCTIC PILOT PROJECT.
MCBOYLE GR : SOCIAL, POLITICAL & LEGISLATIVE ASPECTS OF PURPOSEFUL WEATHER MODIFICATION.
MCNICHOLL MK : ORNITHOLOGY. ECOLOGICAL & BEHAVIOURAL ASPECTS OF BIRD BIOLOGY. BREEDING BIOLOGY & ECOLOGY OF FORSTER'S-TERNS & OTHER MARSH NESTING SPECIES. SOCIAL ORGANIZATION AND BEHAVIOUR OF BLUE-GROUSE. NESTING STUDIES OF COMMON NIGHTHAWKS.
MORIN JR : RESEARCH RELATES TO RESOURCE DEVELOPMENT, RESOURCE CONSERVATION & THE PROTECTION OF PUBLIC SAFETY & RESOURCES FROM NATURAL HAZARDS PLANS ARE PREPARED FOR CROWN LANDS, WATERS, FORESTS, PARKS, FISH & WILDLIFE RESOURCES TO PROMOTE THEIR WISE MANAGEMENT FOR ECONOMIC & SOCIAL BENEFIT.
REID JR : LAND-USE INFORMATION SERIES OF MAPS COVERS NORTHWEST-TERRITORIES & YUKON EXCLUDING NORTHERN HIGH ARCTIC. INFORMATION PROVIDED IN TEXT & MAP FORM INCLUDES WIDE RANGE OF ENVIRONMENTAL & SOCIAL TOPICS.
SADAR MH : SCIENTIFIC ADVISOR TO FEARO AND THE SECRETARIAT OF ENVIRONMENTAL-ASSESSMENT PANELS, MEMBER FEARO RESEARCH MANAGEMENT TEAM, MANAGER OF CANADIAN ENVIRONMENTAL-ASSESSMENT RESEARCH COUNCIL (CEARC) SECRETARIAT, RESEARCH INTERESTS INCLUDE SOCIAL IMPACT, CUMULATIVE IMPACTS, MONITORING, POST-AUDIT AND RISK-ASSESSMENT.
SHARP DS : ENVIRONMENTAL-HEALTH MANAGEMENT, PUBLIC-HEALTH EXPERIENCE IN DEVELOPING AND MONITORING WATER-SUPPLY AND SANITATION RESEARCH PROPOSALS. THE TOPICS COVERED ARE: TECHNOLOGY DEVELOPMENT, SOCIAL AND MANAGEMENT STUDIES, HEALTH IMPACT STUDIES, WASTE-REUSE RESEARCH, AND MANPOWER DEVELOPMENT PROJECTS.
SZOJKA LK : COORDINATION OF PLANNING ACTIVITIES FOR THE EFFECTIVE AND EFFICIENT DEVELOPMENT AND USE OF THE WATER-RESOURCES OF SOUTHERN ALBERTA, PARTICULARLY IRRIGATION, CONSIDERING ECONOMIC, SOCIAL AND ENVIRONMENTAL FACTORS.
WALL G : IMPACTS OF TOURISM AND RECREATION, E.G. PUBLICATION "TOURISM: ECONOMIC, PHYSICAL AND SOCIAL IMPACTS" (LONGMAN, LONDON 1983).
WINTER P : BIOMASS ENERGY DATA-BASES. BIOMASS. FUTURE TRENDS OF BIOMASS ENERGY. IMPACT OF TECHNOLOGY-TRANSFER. SOCIAL PSYCHOLOGICAL IMPACTS OF RENEWABLE-ENERGY.

SOCIO-ECONOMIC

DONNAN J : ACID-RAIN SOCIO-ECONOMIC RESEARCH PROGRAM CONSISTING OF DAMAGES & BENEFITS; COST OF ABATEMENT & MITIGATION; TOOLS FOR EVALUATION & POLICY DEVELOPMENT. INTEGRATION OF NATURAL & SOCIAL SCIENCE DATA TO DEVELOP POLICY RELEVANT DOCUMENTATION. MODELLING OF ACIDIFICATION EFFECTS.

SOCIO-ECONOMIC

O'GORMAN DK : ENVIRONMENTAL, ECONOMIC & SOCIO-ECONOMIC EVALUATION OF MAJOR ENERGY PROJECTS & ENERGY EXPORTS; DRAFTING OF FORMAL APPROVAL CONDITIONS. INTEGRATED RESOURCE-MANAGEMENT & REGIONAL PLANNING, EMPHASIZING CONFLICT RESOLUTION & WORKABLE SOLUTIONS.
SCOTT GW : RESEARCH INFORMATION ON ACID-RAIN: ATMOSPHERIC PROCESSES, AQUATIC EFFECTS (INCLUDES LAKE LIMING), TERRESTRIAL EFFECTS, SOCIO-ECONOMIC EFFECTS.
SURRENDI DC : FISHERIES INCLUDING SPORTFISH MANAGEMENT SURVEYS, COMMERCIAL FISH MANAGEMENT, FISH CULTURE RESEARCH. WILDLIFE INCLUDING BIOLOGICAL RESEARCH ON WILDLIFE SPECIES, HUMANE-TRAPPING RESEARCH. SOCIO-ECONOMIC INCLUDING RESEARCH ON SOCIO-ECONOMIC ASPECTS OF FISH & WILDLIFE RESOURCE USE.
THOMPSON JP : NATURAL-RESOURCE ECONOMICS (SPECIFICALLY THE SHADOW PRICING OF BIOPHYSICAL IMPACT INFORMATION FOR USE IN BENEFIT-COST-ANALYSIS), SOCIO-ECONOMIC IMPACT-ASSESSMENT, ECONOMIC FEASIBILITY STUDIES, RECREATION INVENTORY STUDIES.

SOCIO-ECONOMIQUES

FEDERATION DES PRODUCTEURS : DOMAINE DE LA FORET PRIVEE DU QUEBEC. LA FPBQ A POUR TACHE D' ASSURER LA COORDINATION DE LA MISE EN MARCHE DES BOIS PRODUITS A PARTIR DE LA FORET PRIVEE D'UNE PART ET DE DEVELOPPER CETTE FORET PRIVEE PAR LA MISE EN PLACE DE PROGRAMMES D' AMENAGEMENT-FORESTIER. NOUS MAINTENONS A JOUR LES STATISTIQUES SUR LES BIO-PHYSIQUES ET SOCIO-ECONOMIQUES DE LA FORET PRIVEE QUEBECOISE.

SODIUM

HAVAS M : EFFECTS OF LOW PH AND METALS (A1, 2N, NI, FE, CA, ETC) ON SURVIVAL, REPRODUCTION, SODIUM REGULATION CHEMICAL-COMPOSITION OF AQUATIC INVERTEBRATES FROM BOTH ARCTIC (SMOKING HILLS, NWT) AND TEMPERATE REGIONS. METAL CONTENT AND LOCALIZATION IN AQUATIC MACROPHYTES. EFFECTS OF ALUMINUM ON SUGAR-MAPLE DIEBACK.

SOIL

ADDISON PA : RESEARCH IN ENVIRONMENTAL FORESTRY RELATED PRIMARILY TO THE EFFECTS OF ATMOSPHERIC-POLLUTION ON FOREST ECOSYSTEMS. THIS INCLUDES GROWTH & YIELD STUDIES, BIOMONITORING USING BOTH CRYPTOGAMS & HIGHER PLANTS & SOIL BIOLOGICAL & CHEMICAL RESPONSE MEASUREMENTS.
BAILEY LD : RESEARCH IN AREAS RELATING TO SOIL QUALITY AND FACTORS THAT AFFECT SOIL DEGRADATION AND LOSS OF PRODUCTIVITY; TECHNIQUES THAT WOULD INCREASE THE EFFICIENCY OF USE OF FERTILIZERS THUS REDUCING THE ABSOLUTE QUANTITIES REQUIRED.
BARCLAY-ESTRUP P : VEGETATION, SOIL, AIR-POLLUTION INTERRELATIONSHIPS, ESPECIALLY BRYOPHYTES AND LICHENS, ACID-PRECIPITATION AND HEAVY-METAL ACCUMULATIONS. GENERAL PLANT ECOLOGY.
BARKLEY BA : DEVELOPMENT & TRANSFER OF TECHNIQUES TO SUCCESSFULLY ESTABLISH & MANAGE FAST-GROWING HARDWOODS: CLONE & SITE (SOIL TYPE) INTERACTION; SPACING EFFECTS; TECHNIQUES FOR SITE PREPARATION & FENDING; TREE IMPROVEMENT (DEVELOPMENT OF NEW CLONES); PROGENY & PROVENANCE TESTING & FERTILIZATION.
BATES TE : SOIL-FERTILITY, PLANT NUTRIENT RESPONSE & PREDICTION OF REQUIREMENTS, SOIL TESTING & PLANT ANALYSIS INCLUDING MICRONUTRIENTS & HEAVY-METALS, USE OF SEWAGE SLUDGE ON LAND.
BOYLE RW : GEOCHEMISTRY: OF PRECIOUS METALS (AU, AG, PT); OF ARSENIC, ANTIMONY AND BISMUTH AND OF NICKEL AND COBALT IN ROCKS, SOIL AND NATURAL-WATERS.
BUNTING BT : MICROMORPHOLOGY OF SOILS, ESPECIALLY: BOREAL-FOREST HUMUS PROFILE; ARCTIC SOILS; SOLUTE-TRANSFER IN CLAY SOILS AND SOIL ACIDIFICATION.
BURNEY JR : SOIL AND WATER ENGINEERING AREA OF AGRICULTURAL ENGINEERING, PRINCIPALLY SMALL WATERSHED HYDROLOGY. ADDITIONALLY IRRIGATION AND DRAINAGE OF AGRICULTURAL LAND.
CHO CM : ENVIRONMENTAL-POLLUTION PROBLEMS RELATED TO THE USE OF AGRICULTURAL PRODUCTS SUCH AS FERTILIZERS PESTICIDES. STUDY ON THE DENITRIFICATION & TRANSPORT PROCESSES IN SOIL.
CLARK JS : DIRECTOR OF THE LAND RESOURCE RESEARCH CENTRE. HAS RESPONSIBILITY FOR NATIONAL SOIL SURVEY PROGRAMS AND FOR RESEARCH AND DEVELOPMENT IN SOIL PHYSICS, CHEMISTRY, MINERALOGY AND MICROBIOLOGY, AGROMETEOROLOGY AND LAND USE AND EVALUATION.
CLEMENT RE : IMPROVED ANALYTICAL METHODS FOR THE QUALITATIVE & QUANTITATIVE ANALYSIS OF AIR, WATER, SOIL, BIOTA & INDUSTRIAL EFFLUENTS USING GAS-CHROMATOGRAPHY MASS-SPECTROMETRY. SPECIAL EMPHASIS ON ULTRA-TRACE ANALYSIS OF CHLORINATED DIBENZO-P-DIOXINS & CHLORINATED DIBENZOFURANS.
CULLEY JLB : FARM WASTE-MANAGEMENT INCLUDING STORAGE & DISPOSAL. SOIL QUALITY & PRODUCTIVITY AS AFFECTED BY CROPPING PRACTICES.
DE KIMPLE CR : CHARACTERIZATION OF PHYSICAL, CHEMICAL & MINERALOGICAL PROPERTIES OF SOILS IN RELATION TO POTENTIAL FERTILITY & CROP PRODUCTION. FIELD WORK WITH ORGANIC AMENDMENTS TO TEST METHODS OF SOIL CONSERVATION & IMPROVEMENT.
DIMMA D : DETERMINES THE SENSITIVITY OF ONTARIO SOILS TO ACIDIC-PRECIPITATION. RESEARCH INCLUDES THE COLLECTION OF BASELINE SOIL INFORMATION, SIMULATED ACIDIC-PRECIPITATION EXPERIMENTS AND SOIL-BUFFERING CURVE EXPERIMENTS, AND THE ROLE THAT ACID-PRECIPITATION IS PLAYING IN MAPLE DECLINE IN ONTARIO.
DOANE JF : BIOLOGY, BEHAVIOUR AND CONTROL OF WIREWORMS, GROUND BEETLES AND OTHER SOIL INSECTS. IMPACT OF PESTICIDES ON NON-TARGET ORGANISMS PARTICULARLY IN CROP ECOSYSTEMS.

SOIL

DOMIER KW : RESEARCH IN THE VARIOUS AREAS OF AGRICULTURAL ENGINEERING; POWER AND MACHINERY, STRUCTURES AND ENVIRONMENT, SOIL AND WATER.

EDGINGTON LV : TRANSLOCATION & FATE OF FUNGICIDES IN PLANTS & DEGRADATION IN SOIL. EFFICACY OF FUNGICIDES FOR CONTROL OF DISEASE. RELATION OF CHEMICAL STRUCTURE TO SELECTIVITY OF FUNGICIDES FOR CERTAIN TAXONOMIC GROUPS OF FUNGI.

GROVER R : TRANSPORT OF HERBICIDES IN AIR, WATER & SOIL. EXPOSURE ESTIMATES OF APPLICATORS TO HERBICIDES. MASS BALANCE OF HERBICIDES AFTER APPLICATION ON FIELD SCALE. AIR-MONITORING OF HERBICIDES. HERBICIDE DRIFT ESTIMATES DURING APPLICATION.

HAY GW : ANALYSIS OF ORGANIC CONSTITUENTS OF SOIL & SURFACE & MARINE WATERS WITH EMPHASIS ON CARBONHYDRATES & S- & N- CONTAINING ORGANIC-COMPOUNDS.

HILL SB : AGROECOSYSTEM DESIGN FOR SUSTAINABILITY, NOURISHMENT AND FULFILLMENT. ECOLOGICAL PEST CONTROL AND SOIL MANAGEMENT. ENVIRONMENTAL-IMPACT ON SOIL SYSTEMS. POLICY, PLANNING AND IMPLEMENTATION OF SUSTAINABLE LIFESTYLES.

HOLLAND WD : ECOLOGICAL LAND-CLASSIFICATION & FOREST SITE-CLASSIFICATION INCLUDING LAND FORM, SOIL AND VEGETATION RESOURCE COMPONENTS.

IVARSON KC : STUDY THE TRANSFORMATION OF IRON & MANGANESE BY SOIL MICROBES; THE RELEASE OF ELEMENTS FROM MINING ORES BY MICROBES; THE PRODUCTION OF PROTEIN & ALCOHOL FROM WASTES BY MICROBES.

KENG JCW : SOIL-PHYSICS, SOIL & WATER-ENGINEERING, AGRICULTURAL HYDROLOGY; WATERSHED MANAGEMENT; CONSERVATION FARMING.

KERR HA : GEOLOGICAL, HYDROGEOLOGICAL & GEOPHYSICAL INVESTIGATIONS FOR PROPER MANAGEMENT OF SOIL & GROUNDWATER RESOURCES.

KEVAN DK : BIOSYSTEMATICS AND ECOLOGY OF ORTHOPTEROID INSECTS (LOCUSTS. GRASSHOPPERS. CRICKETS. COCKROACHES. TERMITES AND NEUROPTEROID INSECTS (LACEWING-FLIES) SOIL FAUNA STUDIES (ECOLOGY OF MICROARTHROPODS) AND MYRIAPODS RELEVANCE OF ENTOMOLOGICAL FOLKLORE AND CUSTOMS TO SCIENTIFIC ENTOMOLOGY.

KHAN SU : FATE OF PESTICIDES IN SOIL, PLANT, WATER & ANIMALS. ENVIRONMENTAL-POLLUTION. CHEMICAL & BIODEGRADATION OF PESTICIDES. BIOAVAILABILITY & TOXICOLOGY OF PESTICIDES IN ANIMALS. PESTICIDE DEGRADING PLASMIDS. BIOTECHNOLOGY OF PESTICIDES.

KURYS JG : TOXICOLOGICAL EVALUATION OF VOLATILE CHEMICALS IN AMBIENT AIR FOR EFFECTS USING HUMAN FAT & MILK; BOVINE-FAT & MILK; PORCINE-FAT & AVIAN SPECIES FOR RESIDUE ANALYSIS; RAW MILK; RAW & TREATED WATER; SOIL & VEGETABLES. SECOND PART OF RESEARCH CARRIED OUT ON METABOLIC PROCESSES AND THEIR MODE OF ACTION.

LE BLANC JPR : POPULATION ECOLOGY; EFFECTS OF TEMPERATURE ON THE PREDATORY PHYTOSEIID-MITES ON APPLE. SOIL ARTHROPODS SURVEY & RELATIONSHIP TO SOIL-FERTILITY. INTEGRATED PEST-MANAGEMENT PROGRAMS OF AGRICULTURAL PESTS, PRIMARILY TRAPPING & MONITORING TECHNIQUES. CURATOR OF THE ENTOMOLOGICAL COLLECTIONS.

MADRAMOOTOO C : AGRICULTURAL HYDROLOGY, WATERSHED ENGINEERING, ESTIMATION OF PEAK FLOWS, HYDROLOGIC TIME PARAMETERS & HYDROGRAPH ANALYSIS. TRICKLE IRRIGATION SYSTEM DESIGN. SOIL EROSION & SEDIMENTATION, ESTIMATION PESTICIDE & CHEMICAL LOSSES FROM AGRICULTURAL WATERSHEDS.

MAHENDRAPPA MK : SOIL-CHEMISTRY AND MICROBIOLOGY AS RELATED TO ACID-RAIN AND NUTRIENT-CYCLING IN FOREST-ECOSYSTEMS. CHEMISTRY OF PRECIPITATION AND ITS INFLUENCE ON THE CHEMICAL AND BIOCHEMICAL PROCESSES ON TREES AND SOIL. IMPROVEMENT OF THE USE OF WATER AND FERTILIZERS IN TREE NURSERIES.

MCILVEEN WD : ASSESSMENT OF ENVIRONMENTAL CONTAMINANT EFFECTS INCLUDING ACID-RAIN ON TERRESTRIAL SYSTEMS (VEGETATION & SOIL) FOR PURPOSES OF PROVINCIAL ABATEMENT STRATEGY. PRACTICAL FIELD & LABORATORY PROBLEM SOLVING RESEARCH.

MCKERCHER RB : STUDIES ON SOIL ORGANIC PHOSPHORUS & ON SOIL APPLIED HERBICIDES. TEACH COURSE IN SOIL BIOCHEMISTRY AT POST-GRADUATE LEVEL.

MCKYES E : SOIL MECHANICS FOR AGRICULTURAL ENGINEERING INCLUDING SOIL-CUTTING ANALYSES, THEORIES OF SOIL-CUTTING AND TILLAGE, TILLAGE TOOL DESIGN, FOUNDATIONS. DIGESTION, SEPARATION & LAND DISPOSAL OF ORGANIC-WASTES. MACHINE DESIGN.

MOHTADI MF : CHEMICAL TRANSFORMATIONS AND DISPERSION OF SULPHUR-DIOXIDE IN THE ATMOSPHERE. DISPERSION AND MIGRATION OF SPILLED CRUDE OIL WITHIN SOIL AND POTENTIAL ENVIRONMENTAL HAZARDS OF OIL-SPILLS ON LAND.

MORRISON IK : RESEARCH INTO EFFECTS OF ACID-RAIN ON FOREST BIOGEOCHEMISTRY, ESPECIALLY EFFECTS ON FOREST PRODUCTIVITY; RESEARCH INTO SOIL CHEMICAL CHANGES EFFECTED BY ACID-RAIN ARTIFICIALLY SUPPLIED; EFFECTS OF TOXIC HEAVY-METALS ON VEGETATION GROWTH.

MURRAY DR : INVENTORY OF CANADIAN ACTIVITIES RELATED TO SOIL & WATER LIMITATIONS, DEGRADATION, CONSERVATION, IMPROVEMENT, RECLAMATION. ACTIVITIES ASSOCIATED WITH MINING, AGRICULTURE, FORESTRY, ENERGY, TRANSPORTATION, CONSTRUCTION, ETC.

NYBORG M : RESEARCH ON SULPHUR-DEPOSITION BY WET & DRY DEPOSITION; FALL OUT OF ACIDIFICATION OF SOIL BY NITROGEN FERTILIZERS & LIMING OF SOILS.

PALMER JHL : EXPERTISE IN AVALANCHE HAZARDS & PREDICTION, FROST ACTION, ICE FORCES ON STRUCTURES, ICE PROPERTIES, PERMAFROST ENGINEERING, SLOPE STABILITY, THERMAL REGIME OF SOIL. HEAD, GEOTECHNICAL SECTION.

PHILLIPS SF : VEGETATION & SOIL STUDIES TO DETERMINE DEGREE & EXTENT OF ENVIRONMENTAL-CONTAMINATION & EFFECTS ON TERRESTRIAL-ECOSYSTEMS. DIRECT & INDIRECT EFFECTS OF HEAVY-METALS & SULPHUR-DIOXIDE FROM NON-FERROUS METAL SMELTERS ON BOREAL-FOREST ECOSYSTEMS; MONITOR LRTAPS, WOOD PRESERVATIVE CHEMICALS.

PROKOPUK R : FOSSIL FUELS FOR HEATING. POWER GENERATION AND PROCESS APPLICATIONS: ENVIRONMENTAL-ASSESSMENT: AIR, WATER AND SOIL POLLUTION FROM STATIONARY AND MOBILE SOURCES; ANALYTICAL LABORATORY TECHNIQUES.

SOIL

PROTZ R : SOIL GENESIS & CLASSIFICATION. SOIL FORMATION IN THE HUDSON & JAMES-BAY LOWLANDS. REMOTE-SENSING APPLICATIONS TO SOILS & AGRICULTURE. SOIL BIOLOGY & MICROPEDOLOGY.
QUIGLEY RM : MIGRATION OF SOLUBLE SALTS THROUGH CLAY BARRIERS BY DIFFUSION FIELD STUDIES. CLAY MINERALOGY AND SOIL-CHEMISTRY APPLIED TO ENGINEERING PROBLEMS OF SOIL AND ROCK; GEOTECHNICAL ENGINEERING.
RAAD AWNI T : MONITORING OF SOIL & WATER-CONTAMINATION RESULTING FROM AGRICULTURE BASED ACTIVITIES.
READ DC : PERSISTENCE OF PESTICIDES IN SOIL. RESISTANCE OF INSECTS TO INSECTICIDES AND MICROBIAL DEGRADATION OF PESTICIDES IN SOIL AND WATER.
REID RH : MAPPING TECHNICIAN SPECIALIZING IN THE CANADA LAND INVENTORY PROGRAM SOIL, TERRAIN, WILDLIFE, VEGETATION & OTHER RESOURCE MAPPING.
RENNIE PJ : PRODUCTIVITY OF TERRESTRIAL-ECOSYSTEMS, ESPECIALLY NORTHERN BOREAL-FOREST ENVIRONMENTS IN RELATION TO SOIL NUTRITIONAL-STATUS, CLIMATIC CHARACTERISTICS AND PERTURBATION-EFFECTS. PARTICULAR INTERESTS INCLUDE MINERAL CYCLING, FOREST FERTILIZATION AND AIRBORNE POLLUTANT EFFECTS ON SOILS AND VEGETATION.
REYES AA : SOIL MICROBIOLOGY, ESPECIALLY FUNGI CAUSING ROOT ROTS AND WILTS OF VEGETABLES. MY CONCERN IS TO AVOID THE USE OF CHEMICALS FOR THEIR CONTROL. RESEARCH ALSO ON STORAGE PATHOLOGY OF VEGETABLES, E.G. PREVENTION OF SOFT ROTS BY SUPPLYING STORAGE CHAMBERS WITH DIFFERENT COMBINATIONS OF GASES.
ROSLYCKY EB : IMPACT OF HERBICIDES AND OTHER PESTICIDES ON SOIL MICROFLORA IN RELATION TO BASIC SOIL PHYSIOLOGICAL PROCESSES, INCLUDING NITROGEN FIXATION, SOIL FERTILITY, PESTICIDE ACCUMULATION, RESIDUE FORMATION AND EFFECTS OF VARIOUS AMENDMENTS, INCLUDING BIOTIC ON ITS BREAKDOWN.
ROWE RK : MODELLING CONTAMINANT MIGRATION THROUGH SOILS WITH PARTICULAR EMPHASIS ON CLAY LINERS. DEVELOPMENT OF TECHNIQUES FOR DETERMINATION OF APPROPRIATE SOIL LEACHATE PARAMETERS.
SATTAR SYED A : IMPACT OF VIRAL POLLUTION ON HUMAN HEALTH; SURVIVAL OF VIRUSES IN WATER, SOIL & THE ATMOSPHERE; DEVELOPMENT OF TECHNIQUES FOR VIRUS RECOVERY FROM THE ENVIRONMENT.
SCHREIER H : SOIL & SEDIMENT CHEMISTRY. TRACE-METAL CONTAMINATION. ASBESTOS IN THE ENVIRONMENT (SOIL, ROCKS, SEDIMENT, WATER, BIOTA). SOIL FERTILITY. REMOTE-SENSING.
SCOTT GAJ : MAN'S IMPACT ON SOIL VEGETATION NUTRIENT SYSTEMS, PARTICULARLY THROUGH DEFORESTATION BY LOGGING OR SHIFTING CULTIVATION IN THE HUMID TROPICS & SUBTROPICS.
SENYK JP : ECOSYSTEM IDENTIFICATION AND CHARACTERIZATION THROUGH REMOTE-SENSING AND GROUND-TRUTHING. EXPERTISE IN TERRAIN, SOIL CLASSIFICATION WITHIN AN ECOLOGICAL FRAMEWORK CONCENTRATING ON TEMPERATE COASTAL, CONTINENTAL AND SUBARCTIC ENVIRONMENTS.
SHARMA MP : BEHAVIOUR & FATE OF HERBICIDES IN SOIL & PLANTS; CHEMICAL WEED CONTROL IN CEREAL & OILSEED CROPS; EFFECT OF ENVIRONMENTAL FACTORS ON HERBICIDE PERFORMANCE; CHEMICAL DAMAGE DIAGNOSTICS; EXTENSION SERVICE & RESEARCH.
SHAW GG : DETERMINING THE CONCENTRATION OF SULPHUR, METALS & PESTICIDES IN SOIL, AIR, WATER, VEGETATION & ANIMALS & THE EFFECTS OF THOSE CHEMICALS & ELEMENTS ON PLANTS & ANIMALS THROUGH EXPERIMENTS & STATISTICAL-ANALYSIS.
SHEPPARD MI : SOIL MIGRATION & PLANT UPTAKE OF CHEMICAL & RADIOACTIVE-WASTES. COMPUTER MODELLING TO PREDICT SOIL RESIDENCE TIMES & LEACH RATES. PHYSICAL, CHEMICAL, THERMAL & RADIOLOGICAL CHARACTERIZATION OF SOILS.
SMITH TD : EFFECTS OF INSECTICIDES ON NON-TARGET SOIL FAUNA.
SPRATT ED : RAINFOREST CLEARING IN INDONESIA USING CHEMICAL POISONING OF ECONOMICAL TREES THEN PLANTING FAST-GROWING CREEPING LEGUME VINES TO OVERTAKE THE UNDERGROWTH. P & K FERTILIZERS ARE NEEDED. GRADUAL TAKEOVER OF LEGUMES BY ECONOMICAL CROPS (IE. OIL PALM) USING TOP KILLERS TO CONTROL LEGUME UNDERGROWTH. STOPS SOIL EROSION IN TRANSITION FROM FOREST TO CROPS.
STEPHENSON GR : STUDIES ON THE FATE OF HERBICIDES IN SOIL, WATER, AIR & PLANTS.
SUDOM MD : SOIL SURVEY & LAND-USE STUDIES. ENVIRONMENTAL GUIDELINES FOR LIVESTOCK OPERATIONS. LAND-USE MONITORING.
SZETO SY : TRANSLOCATION, METABOLISM AND DEGRADATION OF PESTICIDES IN SOIL AND IN VEGETABLE AND SMALL FRUIT CROPS; CHEMICAL ASPECTS OF NATURAL ATTRACTANTS OF THESE CROPS TO INSECT PESTS. PUBLICATIONS AVAILABLE.
TU CM : INTERACTION BETWEEN PESTICIDES AND SOIL MICROORGANISMS. DEVELOPMENT OF FUNGICIDE RESISTANT RHYZOBIAL BACTERIA. FEASIBILITY OF USING ENTOMOPHTHORA-MUSCAL TO CONTROL DIPTEROUS INSECTS.
VANLOON GW DR : EFFECTS OF INDUSTRIAL ACTIVITIES ON THE SOIL INCLUDING STUDIES ON ACID-RAIN, MINE-TAILINGS, SEWAGE SLUDGE. SOIL CHEMICAL PROCESSES. ENVIRONMENTAL TRACE-ELEMENT ANALYSIS.
VISSER SA : EFFECTS OF MANURES, COMPOSTS & HUMIC-SUBSTANCES ON SOIL MICROFLORA, HIGHER PLANTS, SOIL PROPERTIES & ON POLLUTION OF NATURAL WATERS.
WARMAN PR : SOIL-FERTILITY & CONSERVATION THROUGH ORGANIC AMENDMENTS (ANIMAL & GREEN MANURES, COMPOSTS, SEWAGE SLUDGE); MINE-TAILINGS & LAND RECLAMATION; SOIL & PLANT RELATIONSHIPS IN CONSERVATION & RECLAMATION.
WEAVER RS : MANAGEMENT OF RESEARCH IN THE FOLLOWING AREAS: AIR, WATER AND SOIL-ANALYSES; EFFECTS OF ENVIRONMENTAL-CONTAMINANTS IN AIR, WATER AND SOIL ON PLANTS, WILDLIFE AND DOMESTIC ANIMALS, AQUATIC VERTEBRATES AND INVERTEBRATES, AND MICRO-ORGANISMS; HAZARDOUS-WASTE DISPOSAL.

SOIL

WEINBERGER P : ECOPHYSIOLOGY AND TOXICOLOGY WITH SPECIAL REFERENCE TO SOILS, SOIL MICROORGANISMS, WATER (FRESH AND ESTUARINE) AQUATIC MICRO AND MACROPHYTES AND SOME TREES INDIGENOUS TO CANADA. FATE TRANSPORT, UPTAKE, EFFECTS ON PHYSIOLOGY AND DEVELOPMENT OF N2-FIXING CYANOBACTERIA, ALGAE, AQUATIC MACROPHYTES AND SOME GYMNOSPERM AND ANGIOSPERM TREE SEEDS.
WESTCOTT ND : DEVELOPMENT OF PROCEDURES FOR THE EXTRACTION AND ANALYSIS OF ORGANOCHLORINE, ORGANOPHOSPHORUS, CARBAMATE AND PYRETHROID INSECTICIDES IN PLANTS, WATER, SOIL AND INSECTS. DETERMINE THE PERSISTENCE OF INSECTICIDE IN PLANTS, WATER, SOIL OR INSECTS UNDER LABORATORY OR FIELD CONDITIONS.
WOTTON DL : LEAD: DEPOSITION & ACCUMULATION IN URBAN SOILS, SMELTER EMISSIONS, EXHAUST, PAINT RESIDUES. FOREST: EFFECTS FROM MINING SMELTERS ON VEGETATION & SOIL, NORTHERN BOREAL-FOREST ECOSYSTEMS, CONIFEROUS REGENERATION IMPACTS FROM HEAVY-METAL CONTAMINATED SOILS. SOIL & GEOLOGY SENSITIVITY MAPPING FOR ACID-RAIN. HERBICIDES.
YONG RN : RESEARCH INVOLVES ENVIRONMENTAL-AUDITING PERTAINING TO HAZARDOUS-WASTE DISPOSAL AND MANAGEMENT. RESEARCH THEMES ADDRESSED INCLUDE CONTAMINANT MIGRATION MODELLING IN SOILS, SOIL DECONTAMINATION, TOXICITY ASSESSMENT, CONTAMINANT BIODEGRADATION, LAND FARMING, REMEDIAL MEASURES, SOIL BIOTECHNOLOGY.
ZOLTAI SC : RESEARCH IN DYNAMICS OF WETLANDS IN ARCTIC, SUBARCTIC AND BOREAL REGIONS. RESEARCH IN ENVIRONMENTAL-IMPACT-ASSESSMENT AND IN PLANT SOIL RELATIONSHIPS IN THE ABOVE REGIONS OF CANADA.

SOIL-CHEMISTRY

BAWEJA AS : WATER-QUALITY GUIDELINES & CRITERIA; RADIOACTIVITY IN WATER; DISPOSAL OF RADIOACTIVE-WASTES, ESPECIALLY URANIUM TAILINGS & REACTOR SPENT FUEL; SOIL-CHEMISTRY & MINERALOGY; TROPICAL SOILS MANAGEMENT.
MAHENDRAPPA MK : SOIL-CHEMISTRY AND MICROBIOLOGY AS RELATED TO ACID-RAIN AND NUTRIENT-CYCLING IN FOREST-ECOSYSTEMS. CHEMISTRY OF PRECIPITATION AND ITS INFLUENCE ON THE CHEMICAL AND BIOCHEMICAL PROCESSES ON TREES AND SOIL. IMPROVEMENT OF THE USE OF WATER AND FERTILIZERS IN TREE NURSERIES.
QUIGLEY RM : MIGRATION OF SOLUBLE SALTS THROUGH CLAY BARRIERS BY DIFFUSION FIELD STUDIES. CLAY MINERALOGY AND SOIL-CHEMISTRY APPLIED TO ENGINEERING PROBLEMS OF SOIL AND ROCK; GEOTECHNICAL ENGINEERING.

SOIL-CUTTING

MCKYES E : SOIL MECHANICS FOR AGRICULTURAL ENGINEERING INCLUDING SOIL-CUTTING ANALYSES, THEORIES OF SOIL-CUTTING AND TILLAGE, TILLAGE TOOL DESIGN, FOUNDATIONS. DIGESTION, SEPARATION & LAND DISPOSAL OF ORGANIC-WASTES. MACHINE DESIGN.

SOIL-FERTILITY

BATES TE : SOIL-FERTILITY, PLANT NUTRIENT RESPONSE & PREDICTION OF REQUIREMENTS, SOIL TESTING & PLANT ANALYSIS INCLUDING MICRONUTRIENTS & HEAVY-METALS, USE OF SEWAGE SLUDGE ON LAND.
IGNATIEFF VP : SOIL-FERTILITY & MANAGEMENT. HOW TO EVALUATE SOIL-FERTILITY AND INCREASE CROP YIELDS.
LE BLANC JPR : POPULATION ECOLOGY; EFFECTS OF TEMPERATURE ON THE PREDATORY PHYTOSEIID-MITES ON APPLE. SOIL ARTHROPODS SURVEY & RELATIONSHIP TO SOIL-FERTILITY. INTEGRATED PEST-MANAGEMENT PROGRAMS OF AGRICULTURAL PESTS, PRIMARILY TRAPPING & MONITORING TECHNIQUES. CURATOR OF THE ENTOMOLOGICAL COLLECTIONS.
ROBERGE MRR : FOREST SOIL-FERTILITY AND MICROBIOLOGY AND FOREST-MANAGEMENT AND SILVICULTURE.
WARMAN PR : SOIL-FERTILITY & CONSERVATION THROUGH ORGANIC AMENDMENTS (ANIMAL & GREEN MANURES, COMPOSTS, SEWAGE SLUDGE); MINE-TAILINGS & LAND RECLAMATION; SOIL & PLANT RELATIONSHIPS IN CONSERVATION & RECLAMATION.

SOILS

BAWEJA AS : WATER-QUALITY GUIDELINES & CRITERIA; RADIOACTIVITY IN WATER; DISPOSAL OF RADIOACTIVE-WASTES, ESPECIALLY URANIUM TAILINGS & REACTOR SPENT FUEL; SOIL-CHEMISTRY & MINERALOGY; TROPICAL SOILS MANAGEMENT.
BOLLO-KAMARA A : DEVELOPING ANALYTICAL METHODS FOR DETERMINING NUTRIENT STATUS OF SOILS FOR FERTILITY AND DIAGNOSIS PURPOSES. NEW PROCEDURES FOR DETERMINING PLANT AND FEED QUALITY FOR ESTABLISHING DIAGNOSTIC TESTS FOR FIELD CROP CALIBRATION.
BUNTING BT : MICROMORPHOLOGY OF SOILS, ESPECIALLY: BOREAL-FOREST HUMUS PROFILE; ARCTIC SOILS; SOLUTE-TRANSFER IN CLAY SOILS AND SOIL ACIDIFICATION.
BURGER D : FOREST LAND-CLASSIFICATION. EXPERTISE: TREE SPECIES, SITE RELATIONSHIPS (LOCAL & REGIONAL) SOILS, PHYSIOGRAPHY. PROJECTS: SITE REGIONS OF ONTARIO; FOREST ECOREGIONS NORTHEAST US; COMPARISON OF ECOLOGICAL CONDITIONS IN ONTARIO & NORTHEAST CHINA.
COOTE DR : SOIL-DEGRADATION, DRAINAGE, EROSION, COMPACTION AND THEIR EFFECTS ON THE AGRICULTURAL ENVIRONMENT; EFFECT OF ACID-RAIN ON AGRICULTURAL SOILS AND MANAGEMENT SYSTEMS.

SOILS

DE KIMPLE CR : CHARACTERIZATION OF PHYSICAL, CHEMICAL & MINERALOGICAL PROPERTIES OF SOILS IN RELATION TO POTENTIAL FERTILITY & CROP PRODUCTION. FIELD WORK WITH ORGANIC AMENDMENTS TO TEST METHODS OF SOIL CONSERVATION & IMPROVEMENT.

DIMMA D : DETERMINES THE SENSITIVITY OF ONTARIO SOILS TO ACIDIC-PRECIPITATION. RESEARCH INCLUDES THE COLLECTION OF BASELINE SOIL INFORMATION, SIMULATED ACIDIC-PRECIPITATION EXPERIMENTS AND SOIL-BUFFERING CURVE EXPERIMENTS, AND THE ROLE THAT ACID-PRECIPITATION IS PLAYING IN MAPLE DECLINE IN ONTARIO.

DUDAS MJ : BIOGEOCHEMISTRY OF TRACE-ELEMENTS, HEAVY-METALS, RADIOISOTOPES IN SOILS, PLANTS & TERRESTRIAL SYSTEMS; CLAY MINERALOGY; RESEARCH ON FLY-ASH LEACHATES, TOXIC INORGANICS IN THE ENVIRONMENT & CYCLING OF NOXIOUS HEAVY-METALS.

DUNCAN CE : AIR-QUALITY & PRECIPITATION QUALITY MONITORING, ACID-RAIN MATHEMATICAL-MODELLING, METEOROLOGY, CONTROL & PROCESS TECHNOLOGY, HAZARDOUS CONTAMINANTS, STANDARD SETTING & REGULATION, SOURCE ASSESSMENT & MEASUREMENTS, VEHICLE EMISSIONS, SOILS & VEGETATION ASSESSMENT, PLANT PATHOLOGY EMERGENCY RESPONSE.

GRAY DM : RESEARCH INTO HYDROLOGICAL PROBLEMS IMPORTANT TO COLD CLIMATE REGIONS & SEMI-ARID ENVIRONMENT. INTERESTS INCLUDE: HEAT & MASS TRANSFER IN FREEZING SOILS; SNOWMELT INFILTRATION & STREAMFLOW SIMULATION; WATER-USE.

HARRIS SA : USE OF PERMAFROST LANDS; MAPPING OF PERMAFROST; SOILS, LANDFORMS & VEGETATION OF ALPINE & PERMAFROST AREAS; ENVIRONMENTAL EFFECTS OF DISTURBANCE OF ALPINE & PERMAFROST ENVIRONMENTS. ENVIRONMENTAL EFFECTS OF CLIMATIC CHANGES.

KITCHEN CM : APPLICATION OF ENVIRONMENTAL SCIENCES TO PLANNING AND DESIGN ENGINEERING, DECISION MAKING; ENVIRONMENTAL-ASSESSMENT; SOILS & AGRICULTURE; FORESTRY, RECREATION, RESOURCE-MANAGEMENT. NATURAL AREAS RESEARCH.

LOUIE RH : BIOPHYSICAL SURVEYS (SOILS, SURFICIAL GEOLOGY, VEGETATION, WILDLIFE HABITAT, CLIMATE), LAND USE IN BRITISH-COLUMBIA & APPLICATIONS FOR AGRICULTURE, FORESTRY, WILDLIFE, WATER, FISH & OTHER LAND USE PLANNING, ASSESSMENT AND MONITORING. BASE MAP PRODUCTION (TOPOGRAPHIC, PLANIMETRIC AND CADASTRAL). REMOTE-SENSING.

NYBORG M : RESEARCH ON SULPHUR-DEPOSITION BY WET & DRY DEPOSITION; FALL OUT OF ACIDIFICATION OF SOIL BY NITROGEN FERTILIZERS & LIMING OF SOILS.

PALMER C : RESEARCH IS IN THE AREA OF EFFECTS OF ACID-DEPOSITION ON SOILS. SPECIFIC PROJECTS INCLUDE LONG-TERM MONITORING OF SOILS. THE STUDY OF SOIL-BUFFERING PROCESSES AND RESEARCH TO DETERMINE TARGET LOADINGS.

PROTZ R : SOIL GENESIS & CLASSIFICATION. SOIL FORMATION IN THE HUDSON & JAMES-BAY LOWLANDS. REMOTE-SENSING APPLICATIONS TO SOILS & AGRICULTURE. SOIL BIOLOGY & MICROPEDOLOGY.

RENNIE PJ : PRODUCTIVITY OF TERRESTRIAL-ECOSYSTEMS, ESPECIALLY NORTHERN BOREAL-FOREST ENVIRONMENTS IN RELATION TO SOIL NUTRITIONAL-STATUS, CLIMATIC CHARACTERISTICS AND PERTURBATION-EFFECTS. PARTICULAR INTERESTS INCLUDE MINERAL CYCLING. FOREST FERTILIZATION AND AIRBORNE POLLUTANT EFFECTS ON SOILS AND VEGETATION.

ROBITAILLE G : EFFECTS OF PRIMARY & SECONDARY AIR-POLLUTANTS INCLUDING ACID-RAIN ON FORESTS, SOILS, LICHENS & MOSSES; NUTRIENT CYCLING IN FOREST-ECOSYSTEMS; BIOGEOCHEMICAL CYCLES; BIOMONITORING; TREE-RING ANALYSIS IN RELATION TO POLLUTION.

ROWE RK : MODELLING CONTAMINANT MIGRATION THROUGH SOILS WITH PARTICULAR EMPHASIS ON CLAY LINERS. DEVELOPMENT OF TECHNIQUES FOR DETERMINATION OF APPROPRIATE SOIL LEACHATE PARAMETERS.

SCHNITZER M : CHEMISTRY & REACTIONS OF HUMIC-SUBSTANCES IN SOILS. CHEMICAL COMPOSITION & STRUCTURE OF NITROGEN COMPOUNDS IN SOILS & THEIR EFFECTS ON PLANT GROWTH & ON THE ENVIRONMENT.

SHEPPARD MI : SOIL MIGRATION & PLANT UPTAKE OF CHEMICAL & RADIOACTIVE-WASTES. COMPUTER MODELLING TO PREDICT SOIL RESIDENCE TIMES & LEACH RATES. PHYSICAL, CHEMICAL, THERMAL & RADIOLOGICAL CHARACTERIZATION OF SOILS.

SIDHU SS : EFFECTS OF FLUORIDES IN THE ATMOSPHERE ON PLANTS & SOILS. EFFECTS OF SIMULATED ACID-RAIN ON PLANT POLLEN; BAFFERING CAPACITY OF PLANT SPECIES. EFFECTS OF HERBICIDES ON TARGET & NON-TARGET SPECIES; RESIDUES IN SOILS & PLANTS AND MOVEMENT OF HERBICIDES IN SOILS.

SLIWINSKI JF : FIRM SPECIALIZES IN PROVIDING ANALYTICAL SERVICES IN ENVIRONMENTAL CHEMISTRY OF GROUND, SURFACE & WASTEWATER, SOILS, SEDIMENTS, BIOTA & AIR SAMPLES AIR SAMPLES. CONDUCTS RESEARCH INTO IMPROVING MEASURING EQUIPMENT, METHODS, PROTOCOLS AND DATA-MANAGEMENT.

SMITH AE : DEVELOPMENT OF ANALYTICAL PROCEDURES FOR THE EXTRACTION AND ANALYSIS OF HERBICIDES IN SOILS AND WATERS. DETERMINE THE PERSISTENCE OF HERBICIDES IN SOILS UNDER LABORATORY AND FIELD CONDITIONS. ISOLATE AND CHARACTERIZE HERBICIDE DEGRADATION PRODUCTS IN SOILS.

TRUONG DINH PHU : NUTRIENT STATUS IN FOREST-PLANTATIONS & NATURAL FORESTS. FERTILITY STATUS OF FOREST SOILS. EFFECT OF ACID-DEPOSITION ON THE FERTILITY STATUS OF FOREST SOILS & FOREST-ECOSYSTEMS.

VILLARD S : LONG-RANGE-TRANSPORT-OF-AIR-POLLUTION. METHODOLOGIES FOR ANALYSIS OF PRECIPITATION & AIR. METHOD DEVELOPMENT FOR ANALYSIS OF WATER, AIR, SOILS, BIOTA.

WARREN HV : TRACE-ELEMENTS IN VEGETATION. SOILS, AND THEIR RELATION TO CONTAMINATION OF THE ENVIRONMENT, EPIDEMIOLOGY, AND MINERAL EXPLORATION.

WEINBERGER P : ECOPHYSIOLOGY AND TOXICOLOGY WITH SPECIAL REFERENCE TO SOILS, SOIL MICROORGANISMS, WATER (FRESH AND ESTUARINE) AQUATIC MICRO AND MACROPHYTES AND SOME TREES INDIGENOUS TO CANADA. FATE TRANSPORT, UPTAKE, EFFECTS ON PHYSIOLOGY AND DEVELOPMENT OF N2-FIXING CYANOBACTERIA, ALGAE, AQUATIC MACROPHYTES AND SOME GYMNOSPERM AND ANGIOSPERM TREE SEEDS.

SOILS

WOTTON DL : LEAD: DEPOSITION & ACCUMULATION IN URBAN SOILS, SMELTER EMISSIONS, EXHAUST, PAINT RESIDUES. FOREST: EFFECTS FROM MINING SMELTERS ON VEGETATION & SOIL. NORTHERN BOREAL-FOREST ECOSYSTEMS, CONIFEROUS REGENERATION IMPACTS FROM HEAVY-METAL CONTAMINATED SOILS. SOIL & GEOLOGY SENSITIVITY MAPPING FOR ACID-RAIN. HERBICIDES.

YONG RN : RESEARCH INVOLVES ENVIRONMENTAL-AUDITING PERTAINING TO HAZARDOUS-WASTE DISPOSAL AND MANAGEMENT. RESEARCH THEMES ADDRESSED INCLUDE CONTAMINANT MIGRATION MODELLING IN SOILS, SOIL DECONTAMINATION, TOXICITY ASSESSMENT, CONTAMINANT BIODEGRADATION, LAND FARMING, REMEDIAL MEASURES, SOIL BIOTECHNOLOGY.

SOLAR

CHISHOLM AJ : MANAGEMENT OF RESEARCH IN STRATOSPHERIC POLLUTION, OZONE MONITORING, SOLAR ENERGY, WEATHER RADAR, CLOUD PRECIPITATION PHYSICS, CLOUD CHEMISTRY & ACID-FOG. HEAD, CANADIAN DELEGATION NEGOTIATING THE VIENNA CONVENTION FOR THE PROTECTION OF THE OZONE LAYER.

STALEY LM : SOLAR ENERGY. GREENHOUSE. SOLAR STORAGE ENERGY-CONSERVATION.

SOLID-EMISSIONS

DODD DJR : CONTROL OF GAS, LIQUID, SOLID-EMISSIONS FROM THERMAL & NUCLEAR GENERATING STATIONS IN ONTARIO. FOCUS ON FLY-ASH & ACID-GAS CONTROL SYSTEM WASTE-DISPOSAL LEACHING BEHAVIOUR. ACID-GAS CONTROL TECHNOLOGIES.

SOLID-WASTE

DENMAN EW : AIR & WATER-POLLUTION; SOLID-WASTE MANAGEMENT; INDUSTRIAL-HYGIENE; COMPUTER APPLICATIONS; CHEMICAL ENGINEERING.

GNYP AW : STACK, AMBIENT AND IN-PLANT SAMPLING AND CONTINUOUS MONITORING FOR PARTICULATE AND GASEOUS POLLUTANTS: PARTICLE-SIZING: ODOUR MEASUREMENT AND CONTROL: DESIGN OF CONTROL EQUIPMENT FOR GASEOUS PARTICULATE AND ODOUROUS POLLUTANTS: LONG AND SHORT RANGE ATMOSPHERIC TRANSPORT: SOLID-WASTE DISPOSAL.

JONES PH : STUDY, DESIGN AND OPERATION OF BIOLOGICAL WASTEWATER-TREATMENT, SOLID-WASTE MANAGEMENT, TOXIC AND HAZARDOUS-CHEMICALS, CHEMICAL-ACCIDENTS, ENVIRONMENTAL HEALTH IMPACT-ASSESSMENT. BIOLOGICAL REMOVAL ON PHOSPHORUS AND NITROGEN.

KHAN AW : ANAEROBIC CONVERSION OF CELLULOSIC WASTE OBTAINED FROM FORESTRY, AGRICULTURE, FARM, PAPER AND FOOD INDUSTRY AS WELL AS INDUSTRIAL AND MUNICIPAL SOLID-WASTE, TO FUELS AND CHEMICAL FEED STOCK.

MAKHIJA R : METHOD DEVELOPMENT IN METALLURGICAL EFFLUENTS, AIR-MONITORING, CHEMICAL AUDIT, IDENTIFICATION OF TOXIC-CHEMICALS AND THEIR ANALYSIS, WASTE-MANAGEMENT STUDIES INCLUDING, SEMINARS, WORKSHOPS; SPILL CONTROL, HAZARDOUS-WASTE METHODS DEVELOPMENT, OCCUPATIONAL-HEALTH AND SAFETY, LANDFILL MONITORING, WATER-QUALITY, SOLID-WASTE SAMPLING AND ANALYSIS.

RIPPON RE : HYDROLOGICAL SITE INVESTIGATIONS FOR DEVELOPMENT OF MUNICIPAL SOLID-WASTE DISPOSAL SITES.

SIMPSON KJ : HAZARDOUS-WASTE MANAGEMENT: SITE SELECTION, PUBLIC PARTICIPATION, NEEDS STUDIES, FEASIBILITY STUDIES, TECHNOLOGY ASSESSMENT, SITE DEVELOPMENT, LEGISLATION. SOLID-WASTE MANAGEMENT, RECYCLING, INCINERATION, LANDFILLS, WASTE-DISPOSAL.

TOWNSHEND AR : COLD CLIMATE NORTHERN & RURAL ENVIRONMENTAL ENGINEERING TECHNOLOGIES FOR THE PROTECTION OF THE ENVIRONMENT & QUALITY OF LIFE; TECHNOLOGIES FOR WATER SOURCE DEVELOPMENT & TREATMENT, WATER CONSERVATION, WASTEWATER-TREATMENT & DISPOSAL, SOLID-WASTE MANAGEMENT & ENERGY-CONSERVATION.

SOLIDIFICATION

ODA A : PREPARE GUIDELINES FOR TREATMENT & DISPOSAL OF SOLID ORGANIC-WASTES ON AGRICULTURAL LANDS. DEVELOP EXPERTISE ON WASTE-MANAGEMENT TECHNIQUES RELATED TO PHYSICAL & CHEMICAL TREATMENT, SOLIDIFICATION, MEMBRANE SEPARATION ETC. INVESTIGATE METHODS FOR THE MANAGEMENT OF LEACHATE FROM MUNICIPAL LANDFILL SITES.

SOLIO-SORBENT

MCANDLESS JM : ADVANCED AIR & WATER SAMPLING TECHNOLOGY PARTICULARLY AUTOMATED SAMPLING & ANALYSIS SYSTEM BASED ON SOLIO-SORBENT SAMPLING TUBES. INSTRUMENTAL ANALYSES (GC, HPLC, GCMS) OF ENVIRONMENTAL SAMPLES, BIOLOGICAL MATRICES & FIELD TRIAL SAMPLES.

SOLS

DIONNE JL : RECHERCHES EN FERTILITE DES SOLS. ETUDES DES INTERACTIONS ENTRE LES ELEMENTS-NUTRITIFS ET LE PH DES SOLS, LA TEMPERATURE ET L' HUMIDITE DES SOLS.

FRENETTE M : EROSION DES SOLS; TRANSPORT SOLIDE; SEDIMENTATION DANS LES LACS, RESERVOIRS & ESTUAIRES; STABILITE & MORPHOLOGIE DES COURS D'EAU. CONTAMINATION DES EAUX-SOUTERRAINES. MIGRATION DES POLLUANTS EN MILIEU PARTIELLEMENT SATURE.

TRUDEL MJ : LA FACULTE DES SCIENCES DE L' AGRICULTURE ET DE L' ALIMENTATION DE L' UNIVERSITE LAVAL REALISE UNE VINGTAINE DE PROJETS DE RECHERCHE RELIES A L' ENVIRONNEMENT NOTAMMENT SUR LES SUJETS SUIVANTS: TRAITEMENT ET MANUTENTION DES LISIERES ET FUMIERS, EPURATION-DES-EAUX-USEES, CONSERVATION DES SOLS, BILAN HYDRIQUE DES SOLS, PERSISTANCE DES PESTICIDES, ZONAGE BIOCLIMATIQUE.

SOLUBILITY

SINGH SS : AQUEOUS & SOLID PHASE CHEMISTRY OF ALUMINUM. SPECIATION & COMPLEXING REACTIONS OF ALUMINUM. SOLUBILITY OF ALUMINUM-HYDROXY COMPOUNDS.

SOLUTE-TRANSFER

BUNTING BT : MICROMORPHOLOGY OF SOILS, ESPECIALLY: BOREAL-FOREST HUMUS PROFILE; ARCTIC SOILS; SOLUTE-TRANSFER IN CLAY SOILS AND SOIL ACIDIFICATION.

SOLVENTS

LINKERT WG : CHEMICAL-ANALYSIS OF SOP AIR FOR FUMES, SOLVENTS, & DUST ETC; TURBINE EXHAUST FOR NOX, WASTEWATER AND OIL FOR PCB.

SONGBIRD

KINGSBURY PD : ENVIRONMENTAL-IMPACT OF FORESTRY PESTICIDES IN TERMS OF EFFECTS ON FISH, AQUATIC INVERTEBRATE, SONGBIRD AND TERRESTRIAL INVERTEBRATE POPULATIONS AND THEIR ECOLOGICAL RELATIONSHIPS.

SORPTION

STRACHAN WMJ : ENVIRONMENTAL CYCLING OF TOXIC-CHEMICALS ESPECIALLY WATER & AIR INTERCHANGE & SORPTION BEHAVIOUR.

SPATIAL

DRAKE JJ : SPATIAL AND TEMPORAL VARIATIONS OF METAL PRECIPITATION IN URBAN AREAS VARIABILITY OF HYDROLOGIC RECORDS ENVIRONMENTAL-IMPACT OF NORTHERN MINING KARST HYDROCHEMISTRY.

SPATIALE

BOUCHARD R : CARTOGRAPHIE DES PARAMETRES ENVIRONNEMENTAUX DE L' ELEVAGE DU PORC A PARTIR D'UN SYSTEME D' INFORMATION A REFERENCE SPATIALE. CLASSIFICATION GENETIQUE DES CLIMATS DU SAGUENAY, LAC-ST-JEAN. L' AGRICULTURE A SAINTE-CATHERINE DE PORTNEUF: POLLUTANT DES SOURCES D' EAU-POTABLE. LES DEPOTOIRS DE NEIGE USEE DE CHICOUTIMI.

SPECIATION

CHAU YK : STUDIES ON FORMATION, FATE & TOXICITY OF ORGANOMETALS IN THE ENVIRONMENT SUCH AS ALKYLEAD ORGANOTIN COMPOUNDS. DEVELOPMENT OF SENSITIVE & SPECIFIC TECHNIQUES FOR SPECIATION OF ORGANOMETALS. INTEGRATION OF METALS & ORGANICS IN AQUATIC SYSTEMS.

KRAMER JR : GEOCHEMISTRY RESEARCH INCLUDING IMPACT OF ACIDIC-PRECIPITATION; METAL SPECIATION AND BIOLOGICAL TOXICITY; AQUEOUS CHEMISTRY OF SHIELD LAKES.

LANGFORD CH : STUDIES OF SPECIATION OF METAL IONS AND MOBILITY OF PESTICIDES IN NATURAL WATER SYSTEMS WITH SPECIAL REFERENCE TO THE NATURE AND ROLE OF HUMIC-SUBSTANCES. DEVELOPMENT OF KINETIC METHODS OF ANALYSIS.

LUM KR : BIOGEOCHEMISTRY OF TRACE-METALS AND METALLOIDS IN THE GREAT LAKES AND ESTUARIES. ASSESSMENT OF THE ENVIRONMENTAL-IMPACT OF METALS IN DREDGED MATERIAL, STEEL SLAGS AND OTHER SOLID MATERIALS. SPECIATION AND BIOAVAILABILITY OF TRACE-METALS AND METALLOIDS.

SINGH SS : AQUEOUS & SOLID PHASE CHEMISTRY OF ALUMINUM. SPECIATION & COMPLEXING REACTIONS OF ALUMINUM. SOLUBILITY OF ALUMINUM-HYDROXY COMPOUNDS.

TESSIER A : ETUDE DES RELATIONS ENTRE LA SPECIATION DE METAUX-TRACES DANS L' EAU ET LES SEDIMENTS ET LEUR ACCUMULATION DANS LES ORGANISMES BIOLOGIQUES.

SPECIATION

SPECTROMETRY

DABEKA WR : ANALYSIS FOR TRACE-ELEMENTS, TOXIC ELEMENTS; LEAD CADMIUM, ARSENIC, TIN, FLUORIDE, MERCURY; FOOD DIETARY INTAKES; ANALYTICAL WATER. INSTRUMENTAL EXPERTISE: GRAPHITE FURNACE ATOMIC, ABSORPTION SPECTROMETRY.
GUEVREMONT R : REFERENCE MATERIALS PREPARATION AND ANALYSIS. TRACE ANALYTICAL METHODS FOR ORGANICS AND METALS IN MARINE SAMPLES. METHODS AND INSTRUMENTATION FOR GFAAS AND ICP EMISSION SPECTROMETRY. MICROPROCESSORS FOR CONTROL OF HARDWARE AND DATA ACQUISITION.

SPECTROPHOTOMETRE

FALARDEAU K : BOMEM MANUFACTURE DES SPECTROPHOTOMETRES. UN SPECTROPHOTOMETRE DE CHAMP SERT SURTOUT POUR LES ANALYSES ENVIRONNEMENTALES.

SPECTROPHOTOMETRES

FALARDEAU K : BOMEM MANUFACTURE DES SPECTROPHOTOMETRES. UN SPECTROPHOTOMETRE DE CHAMP SERT SURTOUT POUR LES ANALYSES ENVIRONNEMENTALES.

SPECTROSCOPIC

HOFF RM : USE OF ACTIVE REMOTE-SENSING TECHNIQUES FOR AIR-POLLUTION RESEARCH DEVELOPMENT OF DIAL FOR DETECTION OF SULPHUR-DIOXIDE & OZONE & ACTIVE SPECTROSCOPIC TECHNIQUES.

SPECTROSCOPY

JURY JW : INVESTIGATION OF RADON GAS IN NATURAL WATERS. TRACE-ELEMENT ANALYSIS USING PHOTON & NEUTRON ACTIVATION TECHNIQUES. PHOTON SPECTROSCOPY (GAMMA-RAYS). RADIATION IMAGING & MONITORING.
MOSELHY MM : ENVIRONMENTAL RESEARCH PLANNING. POLICY ANALYSIS. AIR, WATER, WASTE POLLUTION ANALYSIS; EFFECTS. ANALYTICAL-CHEMISTRY. ATOMIC EMISSION SPECTROSCOPY MULTIELEMENTAL ANALYSIS.
STILES DA : PESTICIDE-RESIDUE ANALYSIS BY FLAME SPECTROSCOPY, ALONG WITH OIL-SPILL DETERMINATIONS. CURRENT STUDIES ARE BEING APPLIED TO MARINE AND TERRESTRIAL ENVIRONMENTS.

SPORICIDES

WALLBANK AM : ANTISEPTICS, DISINFECTANTS, VIRUCIDES, BIOCIDES, SPORICIDES, Q-FEVER-COXIELLA BURNETII AS BIOHAZARDS, AND DECONTAMINATION OF ENDOSCOPES.

SPORTFISH

SURRENDI DC : FISHERIES INCLUDING SPORTFISH MANAGEMENT SURVEYS, COMMERCIAL FISH MANAGEMENT, FISH CULTURE RESEARCH. WILDLIFE INCLUDING BIOLOGICAL RESEARCH ON WILDLIFE SPECIES, HUMANE-TRAPPING RESEARCH. SOCIO-ECONOMIC INCLUDING RESEARCH ON SOCIO-ECONOMIC ASPECTS OF FISH & WILDLIFE RESOURCE USE.

SPRAY

DICKISON RBB : CHANGES IN WATER AND ENERGY BALANCES, STREAMFLOW REGIME AND SNOW-COVER AFTER FOREST HARVESTING ARE BEING RESEARCHED AS PART OF THE NASHWAAK EXPERIMENTAL WATERSHED PROJECT. THE INFLUENCE OF LOW-LEVEL TEMPERATURE INVERSIONS AND LAPSE RATES ON THE EFFICACY OF AERIAL SPRAYS ARE BEING STUDIED IN CONJUNCTION WITH THE NEW-BRUNSWICK SPRAY EFFICACY RESEARCH GROUP.
MAYBANK J : RESEARCH IN CLOUD PHYSICS, INCLUDING WEATHER MODIFICATION AND IMPACT-ASSESSMENT FOR AGRICULTURE; AEROSOL AND SPRAY DROPLET DISSEMINATION, ESPECIALLY RELATED TO PESTICIDE SPRAY APPLICATION AND SPRAY DRIFT; AGROCLIMATOLOGY AND AIR-POLLUTION.
WALLACE KW : AMBIANT & STACK MONITORING. AGRICULTURAL SPRAY DRIFT & EXPOSURE WORK ON THE CANADIAN PRAIRIES.

SPRAYING

PEARCE PA : IMPACT OF TOXIC-CHEMICALS ON WILDLIFE, WITH PARTICULAR REFERENCE TO EFFECTS OF INSECTICIDE SPRAYING ON FOREST PASSERINES. PESTICIDE ECOLOGY.

SPRAYING

SPRAYS

CHARNETSKI WA : RELATIONSHIP OF AERIAL & GROUND APPLICATION OF AGRICULTURAL SPRAYS TO INSECT-CONTROL & PLANT DENSITY TO CROP CANOPY PENETRATION ON ALFALFA & CEREALS. EVALUATION OF INSECTICIDES & THEIR SAFETY TO BENEFICIAL INSECTS INCLUDING LEAFCUTTER-BEES. INSECTICIDE RESIDUE DYNAMICS IN TERRESTRIAL & AQUATIC-ECOSYSTEMS.
CRABBE RS : EFFECT OF ATMOSPHERIC THERMAL STABILITY ON DEPOSITION & WINDBORNE DRIFT OF AERIAL FOREST PESTICIDE SPRAYS.
DICKISON RBB : CHANGES IN WATER AND ENERGY BALANCES, STREAMFLOW REGIME AND SNOW-COVER AFTER FOREST HARVESTING ARE BEING RESEARCHED AS PART OF THE NASHWAAK EXPERIMENTAL WATERSHED PROJECT. THE INFLUENCE OF LOW-LEVEL TEMPERATURE INVERSIONS AND LAPSE RATES ON THE EFFICACY OF AERIAL SPRAYS ARE BEING STUDIED IN CONJUNCTION WITH THE NEW-BRUNSWICK SPRAY EFFICACY RESEARCH GROUP.

SPRUCE

GORDON AG : BIOMASS, PRODUCTIVITY, AND NUTRIENT-CYCLING OF SPRUCE FOREST-ECOSYSTEMS; THE GENETICS AND GENECOLOGY AND TREE IMPROVEMENT OF THE SPRUCE GENUS.
MURRAY G : FOREST GENETICS RESEARCH WITH EMPHASIS ON GENECOLOGY AND BREEDING OF WHITE SPRUCE (PICEA-GLAUCA) AND LARCH (LARIX).
ROSS G : HERBICIDE ENVIRONMENTAL-IMPACT-ASSESSMENT. SPRUCE PLANTATION ESTABLISHMENT, GROWTH & YIELD. GENETIC TREE IMPROVEMENT. TREE NURSERIES. SILVICULTURE WORK STUDY, PRODUCTIVITY TRIALS.

SPRUCE-BUDWORM

WHITNEY NJ : MARINE FUNGI: TAXONOMY; METABOLIC PRODUCTS FROM INTERFERENCE COMPETITION; FUNGAL ECOLOGY IN THE MARINE-ENVIRONMENT; ANTIBIOTIC-COMPOUNDS FROM MARINE FUNGI; FUNGAL DISEASES OF FISH. FOREST FUNGI: EPIPHYTIC & ENDOPHYTIC FUNGAL METABOLITES TOXIC TO SPRUCE-BUDWORM. PLANT PATHOLOGY: NEEDLE-CASTS OF CONIFERS.

STACK

GNYP AW : STACK, AMBIENT AND IN-PLANT SAMPLING AND CONTINUOUS MONITORING FOR PARTICULATE AND GASEOUS POLLUTANTS: PARTICLE-SIZING: ODOUR MEASUREMENT AND CONTROL: DESIGN OF CONTROL EQUIPMENT FOR GASEOUS PARTICULATE AND ODOUROUS POLLUTANTS: LONG AND SHORT RANGE ATMOSPHERIC TRANSPORT: SOLID-WASTE DISPOSAL.
TOROSSIAN H : METHOD DEVELOPMENT FOR MEASUREMENT OF ATMOSPHERIC-POLLUTANTS. SOURCE TESTING FOR STACK GAS & PARTICULATE EMISSIONS. DESIGN AND SELECTION OF EQUIPMENT FOR AIR-POLLUTION ABATEMENT. MANAGEMENT OF PCB WASTES.
WALLACE KW : AMBIANT & STACK MONITORING. AGRICULTURAL SPRAY DRIFT & EXPOSURE WORK ON THE CANADIAN PRAIRIES.

STAND-TENDING

BARKER DJ : PRACTICAL APPLICATIONS OF ECOLOGICAL CLASSIFICATION. SILVICULTURE PLANNING AND IMPLEMENTATION, INCLUDING REFORESTATION, STAND-TENDING AND REHABILITATION. WOOD RELATED INVENTORIES: BIOMASS; SAWN AND PULP PRODUCTS; FUELWOOD. FOREST-MANAGEMENT PLANNING; TIMBER YIELD ANALYSIS BY COMPUTER.

STARCHES

HADZIYEV D : OILSEED TECHNOLOGY & CEREAL SCIENCE, FRUIT & VEGETABLE PROCESSING; USE OF YAM & OTHER STARCHES IN BREADMAKING; POTATO PROCESSING: CHEMISTRY & BIOCHEMISTRY ASPECTS (PRESERVATION) OF VITAMINS, FLAVORING CONSTITUENTS, TAILORING OF OIL UPTAKE, STICKINESS IN DEHYDRATED MASHED POTATOES). CEREALS EXTENSION.

STATION-PLUVIOMETRIQUE

STATION-PLUVIOMETRIQUE

FORTIN JP : HYDROLOGIE; HYDROMETEOROLOGIE; PRECIPITATION; PLUIE; NEIGE; RUISSELLEMENT; DEBIT; ECOULEMENT; PHYSIOGRAPHIE; RIVIERE; BASSIN VERSANT; CRUE; INONDATION; TELEDETECTION EAU; SATELLITE EAU; INTEGRATION DES DONNEES; STATISTIQUE HYDROLOGIE; GESTION-EAU; PLANIFICATION-EAU; PREVISION EAU; DECISION EAU; PROTECTION EAU; CONTROLE-EAU; MODELE HYDROLOGIQUE; CEQUEAU MODELE; MODELE DETERMINISTE MAILLE-CARREAU; MODELE D AJUSTEMENT; PREVISION HYDROLOGIQUE; PREVISION ECOULEMENT; PREVISION TEMPS REEL; RESEAU HYDROLOGIQUE; PLUVIOMETRE; RADAR HYDROLOGIE; STATION-PLUVIOMETRIQUE; RESEAU RADAR METEOROLOGIE; PRECIPITATIONS-ACIDES; POLLUANTS-ATMOSPHERIQUES; TRANSPORT-A-LONGUE-DISTANCE; MODELE STATISTIQUE; DIFFUSION UNIDIMENSIONNEL; ANISOTROPIE-SPATIALE.

STATISTICAL

ADAMS BJ : WATER-RESOURCES SYSTEMS ANALYSIS: PLANNING, DESIGN, OPERATION AND MANAGEMENT; WATER-QUALITY MANAGEMENT; REGIONAL WASTEWATER MANAGEMENT; APPLICATIONS OF SYSTEMS ANALYSIS (STATISTICAL, SIMULATION, AND OPTIMIZATION) TECHNIQUES TO ENVIRONMENTAL SYSTEMS; RESERVOIR ANALYSIS; HYDROLOGIC MODELLING; STORMWATER MANAGEMENT; FLOOD CONTROL AND DRAINAGE; IRRIGATION; HYDROLOGIC & METEOROLOGIC DATA-ANALYSIS URBAN WATER SYSTEMS.

HALL RJ : LARGE-SCALE PHOTOGRAPHY & DIGITAL IMAGE ANALYSIS RESEARCH, PHOTO-MENSURATION, AERIAL-PHOTOGRAPHY SYSTEMS & INSTRUMENTATION DEVELOPMENT (EG. CAMERA CONTROL), STATISTICAL & SAMPLING DESIGN & ANALYSIS, AERIAL PHOTO FLIGHT PLANNING, TECHNOLOGY-TRANSFER.

HOLDER-FRANKLIN MA : MATHEMATICAL-MODELS FOR THE MEASUREMENT OF POPULATION SHIFTS OF RIVER BACTERIA IN RESPONSE TO ENVIRONMENTAL CHANGE; PRIMARILY MULTIVARIATE STATISTICAL ALGORITHMS.

PILON PJ : STATISTICAL MODELLING, PHYSICAL (CONCEPTUAL) MODELLING, DATA SCREENING, FLOOD FREQUENCY ANALYSIS, MICRO COMPUTER USER-FRIENDLY PROGRAMMING, REGRESSION ANALYSIS, FILLING-IN MISSING HYDROMETRIQUE RECORDS.

STATISTICAL-ANALYSIS

CASE JW : AIR-POLLUTION & ACID-PRECIPITATION BIOMONITORING: ENVIRONMENTAL-CONTAMINATION MONITORING PROGRAM DESIGN & IMPLEMENTATION; GEOBOTANICAL-PROSPECTING; MICRO COMPUTER APPLICATIONS FOR DATA COLLECTION, STATISTICAL-ANALYSIS, INFORMATION PRESENTATION & REDUCTION.

FOREMAN JEK : MEASUREMENT (LONG TERM) & STATISTICAL-ANALYSIS OF NOISE FROM HIGH-VOLTAGE TRANSMISSION LINES AND TRANSFORMER STATIONS; PSYCHOACOUSTIC RESPONSE OF PEOPLE TO THIS NOISE BY PLAY-BACK OF TAPES IN LISTENING ROOM.

GEHR R : WATER & WASTEWATER-TREATMENT, SPECIFICALLY POLYELECTROLYTE USAGE, CHARACTERIZATION & INTERACTIONS; PHOSPHORUS REMOVAL; STATISTICAL-ANALYSIS OF BIODEGRADATION & RIVER QUALITY DATA; ATTACHED VS SUSPENDED GROWTH PROCESSES.

MINNS CK : MODELLING & STATISTICAL-ANALYSIS OF FISHERIES & ENVIRONMENTAL PROBLEMS INCLUDING COMMUNITY DYNAMICS, EUTROPHICATION, ACIDIFICATION AND CONTAMINANTS.

SHAW GG : DETERMINING THE CONCENTRATION OF SULPHUR, METALS & PESTICIDES IN SOIL, AIR, WATER, VEGETATION & ANIMALS & THE EFFECTS OF THOSE CHEMICALS & ELEMENTS ON PLANTS & ANIMALS THROUGH EXPERIMENTS & STATISTICAL-ANALYSIS.

STATISTICS

POLLETT FC : EXECUTIVE DIRECTOR OF INSTITUTE WHICH UNDERTAKES RESEARCH IN FOREST FIRE AND REMOTE-SENSING, FOREST STATISTICS AND SYSTEMS ANALYSIS, INTENSIVE FOREST-MANAGEMENT AND PUBLIC-AWARENESS PROGRAMS.

STATISTIQUES

FEDERATION DES PRODUCTEURS : DOMAINE DE LA FORET PRIVEE DU QUEBEC. LA FPBQ A POUR TACHE D' ASSURER LA COORDINATION DE LA MISE EN MARCHE DES BOIS PRODUITS A PARTIR DE LA FORET PRIVEE D'UNE PART ET DE DEVELOPPER CETTE FORET PRIVEE PAR LA MISE EN PLACE DE PROGRAMMES D' AMENAGEMENT-FORESTIER. NOUS MAINTENONS A JOUR LES STATISTIQUES SUR LES BIO-PHYSIQUES ET SOCIO-ECONOMIQUES DE LA FORET PRIVEE QUEBECOISE.

STEEL

BANAS WP : AQUATIC TOXICOLOGY & CHEMICAL FATE INVESTIGATIONS. TOXICITY TESTING OF INDUSTRIAL EFFLUENTS (PULP & PAPER, MINING, STEEL MANUFACTURING). DEVELOPMENT OF A WATER-QUALITY AQUATIC ENVIRONMENT. TOXICITY OBJECTIVE REGARDING ALUMINUM IN THE EVALUATIONS OF PESTICIDES (ORGANOCHLORINE & ORGANOPHOSPHATE) & HEAVY-METALS USING RAINBOW-TROUT IN FLOW THROUGH & STATIC BIOASSAYS.

LUM KR : BIOGEOCHEMISTRY OF TRACE-METALS AND METALLOIDS IN THE GREAT LAKES AND ESTUARIES. ASSESSMENT OF THE ENVIRONMENTAL-IMPACT OF METALS IN DREDGED MATERIAL, STEEL SLAGS AND OTHER SOLID MATERIALS. SPECIATION AND BIOAVAILABILITY OF TRACE-METALS AND METALLOIDS.

STEEL

STEREOPHYLLACEAE

IRELAND RR : TAXONOMY OF THE MOSSES, THE DICRANACEAE, HYPNACEAE, PLAZIOTHECIACEAE & STEREOPHYLLACEAE.

STICKINESS

HADZIYEV D : OILSEED TECHNOLOGY & CEREAL SCIENCE, FRUIT & VEGETABLE PROCESSING; USE OF YAM & OTHER STARCHES IN BREADMAKING; POTATO PROCESSING: CHEMISTRY & BIOCHEMISTRY ASPECTS (PRESERVATION) OF VITAMINS, FLAVORING CONSTITUENTS, TAILORING OF OIL UPTAKE, STICKINESS IN DEHYDRATED MASHED POTATOES). CEREALS EXTENSION.

STOCK-ASSESSMENTS

SANDEMAN EJ : STOCK-ASSESSMENTS AND RELATED RESEARCH ON FISH OF GENUS SEBASTES, SHRIMP (PANDALUS SP.) AND CRABS (CHIONOCETES OPILIO). EXPERTISE IN MANAGEMENT OF RESEARCH AND DEVELOPMENT PROJECTS AND FISHERIES MANAGEMENT POLICY DEVELOPMENT. INTEREST IN COMPUTER BASED DATA-ACQUISITION METHODOLOGY.

SMITH HD : FISHERIES AND FISH-HABITAT RESEARCH MANAGEMENT. STOCK-ASSESSMENTS AND SOCKEYE SALMON (O.NERKA) BIOLOGY AND POPULATION-DYNAMICS.

STOCKS-AQUATIQUES

POIRIER L : ANALYSE D'IMPACT DE PROJETS DE DEVELOPPEMENT; ANALYSE DU MILIEU POUR LE DEVELOPPEMENT DE L' AQUICULTURE; ETUDES DE POTENTIEL D' EXPLOITATION DE STOCKS-AQUATIQUES.

STORM

JAMES W : URBAN HYDROLOGY, STORMWATER MANAGEMENT, FIELD INSTRUMENTATION, COMPUTER-MODELLING, STORM MODELS WATER-QUALITY MODELLING.

STORMS

WHEATOON EE : APPLIED CLIMATOLOGY, ESPECIALLY IN AGRICULTURE; DUST STORMS & WIND EROSION. ENVIRONMENTAL-IMPACT-ASSESSMENTS DESCRIPTIVE CLIMATOLOGY, AIR-POLLUTION CLIMATOLOGY, CLIMATIC VARIATION AND CHANGE, ENERGY CLIMATOLOGY.

STORMWATER

ADAMS BJ : WATER-RESOURCES SYSTEMS ANALYSIS: PLANNING, DESIGN, OPERATION AND MANAGEMENT; WATER-QUALITY MANAGEMENT; REGIONAL WASTEWATER MANAGEMENT; APPLICATIONS OF SYSTEMS ANALYSIS (STATISTICAL, SIMULATION, AND OPTIMIZATION) TECHNIQUES TO ENVIRONMENTAL SYSTEMS; RESERVOIR ANALYSIS; HYDROLOGIC MODELLING; STORMWATER MANAGEMENT; FLOOD CONTROL AND DRAINAGE; IRRIGATION; HYDROLOGIC & METEOROLOGIC DATA-ANALYSIS URBAN WATER SYSTEMS.

JAMES W : URBAN HYDROLOGY, STORMWATER MANAGEMENT, FIELD INSTRUMENTATION, COMPUTER-MODELLING, STORM MODELS WATER-QUALITY MODELLING.

MULAMOOTTIL G : WETLAND ECOLOGY; LAND-USE AND ENCROACHMENTS IMPACTING ON WETLANDS; URBAN DRAINAGE PROBLEMS FOCUSSING ON STORMWATER MANAGEMENT; DETENTION FACILITIES; ENVIRONMENTAL-IMPACT-ASSESSMENTS RELATED TO WATER-RESOURCES.

WALLER DH : URBAN STORMWATER QUALITY AND QUANTITY. NON-POINT SOURCE POLLUTION. URBAN RESEARCH WATERSHEDS. RAIN-WATER CISTERN SYSTEMS. ON-SITE SEWAGE DISPOSAL.

STRATIFICATION

LECLERC M : LAC: CIRCULATION; PHYSIQUE; LAC STRATIFICATION TEMPERATURE; LAC TURBULENCE; LAC BUDGET; BILAN; EQUILIBRE; TURNOVER LAC; LIMNOLOGIE PHYSIQUE.;

STRATIGRAPHIC-CORRELATION

TERASMAE J : QUATERNARY GEOLOGY, PALYNOLOGY, PALEAECOLOGY, GEOCHRONOLOGY (RADIO-CARBON DATING), TREE-RING STUDIES; GEOCHEMISTRY, SEDIMENTOLOGY OF LAKE SEDIMENTS (PALEOLIMNOLOGY) & PEAT DEPOSITS FOR STRATIGRAPHIC-CORRELATION PALEOENVIRONMENTAL ANALYSIS (INCLUDING CLIMATE CHANGE, VEGETATION HISTORY & HUMAN ACTIVITIES).

STRATOSPHERIC

CHISHOLM AJ : MANAGEMENT OF RESEARCH IN STRATOSPHERIC POLLUTION, OZONE MONITORING, SOLAR ENERGY, WEATHER RADAR, CLOUD PRECIPITATION PHYSICS, CLOUD CHEMISTRY & ACID-FOG. HEAD, CANADIAN DELEGATION NEGOTIATING THE VIENNA CONVENTION FOR THE PROTECTION OF THE OZONE LAYER.

PARASKEVOPOULOS G : KINETICS AND MECHANISMS OF REACTIONS OF TROPOSPERIC AND STRATOSPHERIC INTEREST.

STRAWBERRIES

STUSHNOFF C : COLD STRESS, PLANT BREEDING, FRUIT CROPS, GENE RESOURCES & CRYOPRESERVATION; STRAWBERRIES, APPLES, BLUEBERRIES, GENERAL HORTICULTURE INCLUDING VEGETABLES, POTATOES.

STREAM

CORNETT RJJ : TRANSPORT OF TRACE-ELEMENTS THROUGH AQUATIC SYSTEMS. BIOACCUMULATION OF RADIONUCLIDES MODELLING OXYGEN CONCENTRATIONS IN LAKES. ROLE OF GROUNDWATER INPUTS IN DETERMINING STREAM WATER CHEMISTRY.

DERMOTT RM : ENVIRONMENTAL-ASSESSMENT OF LAKE & STREAM INVERTEBRATE POPULATIONS. TAXONOMY OF LAKE BENTHIC INVERTEBRATES. FEEDING & GROWTH RATES.

KAUSHIK N : AQUATIC BIOLOGY; HEADWATER STREAMS; IMPACT OF AGRICULTURE ON STREAM ENVIRONMENTS; ALLOCHTHONOUS ORGANIC MATTER IN STREAMS; ECOTOXICOLOGY; USE OF LIMNOCORRALS IN ASSESSMENT OF PESTICIDES ON AQUATIC ENVIRONMENTS.

MANITOBA NATURALISTS SOCIETY : FIVE ACTION COMMITTEES MONITOR THE ENVIRONMENT OF MANITOBA IN PARTICULAR, BUT ALSO STUDY NATIONAL AND INTERNATIONAL ISSUES. THEY ARE PARKS, WILDLIFE, URBAN-ENVIRONMENT, HABITAT CONSERVATION AND ENVIRONMENTAL ACTION. VARIOUS POSITION PAPERS AND BRIEFS ARE WRITTEN REGARDING ENVIRONMENTAL ISSUES AND BROUGHT FORWARD TO THE GOVERNMENT AND INDUSTRY RESPONSIBLE. HECLA ISLAND MANAGEMENT PLAN, LOGGING IN ATIKAKI WILDERNESS AREA, CITY OF WINNIPEG RIVERS AND STREAM AUTHORITY, HYDRO ELECTRIC DEVELOPMENT (CONAWAPA) AND STORAGE OF NUCLEAR-WASTE.

NEWBURY RW : RIVER AND STREAM BEHAVIOUR AND HABITATS, FIELD EXPLORATION TECHNIQUES FOR CHARACTERIZING UNMAPPED WATERSHEDS AND STREAM CHANNELS, CHANNEL STABILITY, STREAM HYDROLOGY, DRAINAGE BASIN EXPLORATION.

STREAMFLOW

DICKISON RBB : CHANGES IN WATER AND ENERGY BALANCES, STREAMFLOW REGIME AND SNOW-COVER AFTER FOREST HARVESTING ARE BEING RESEARCHED AS PART OF THE NASHWAAK EXPERIMENTAL WATERSHED PROJECT. THE INFLUENCE OF LOW-LEVEL TEMPERATURE INVERSIONS AND LAPSE RATES ON THE EFFICACY OF AERIAL SPRAYS ARE BEING STUDIED IN CONJUNCTION WITH THE NEW-BRUNSWICK SPRAY EFFICACY RESEARCH GROUP.

GRAY DM : RESEARCH INTO HYDROLOGICAL PROBLEMS IMPORTANT TO COLD CLIMATE REGIONS & SEMI-ARID ENVIRONMENT. INTERESTS INCLUDE: HEAT & MASS TRANSFER IN FREEZING SOILS; SNOWMELT INFILTRATION & STREAMFLOW SIMULATION; WATER-USE.

WHITELEY HR : IMPACT OF AGRICULTURAL USE OF LAND, INCLUDING DRAINAGE ON QUALITY & QUANTITY OF STREAMFLOW & GROUNDWATER. WATERSHED MONITORING OF SNOWMELT INCLUDING ACID SHOCK EFFECTS.

YOUNG GJ : HYDROLOGY OF MOUNTAIN AREAS WITH PARTICULAR EMPHASIS ON GLACIERS AS SOURCES OF STREAMFLOW AND AS INITIATORS OF CATASTROPHIC FLOODS. MASS-BALANCE, MONITORING.

STREAMS

KAUSHIK N : AQUATIC BIOLOGY; HEADWATER STREAMS; IMPACT OF AGRICULTURE ON STREAM ENVIRONMENTS; ALLOCHTHONOUS ORGANIC MATTER IN STREAMS; ECOTOXICOLOGY; USE OF LIMNOCORRALS IN ASSESSMENT OF PESTICIDES ON AQUATIC ENVIRONMENTS.

ROFF JC : BROAD EXPERTISE IN AQUATIC SCIENCES, MARINE, ESTUARINE, FRESHWATER AND STREAMS, ECOSYSTEMS, ARCTIC CHEMICAL AND BIOLOGICAL OCEANOGRAPHY.

STRESS

BOLDUC RJ : PHYSIOLOGIE ET BIOCHIMIE DU FROID, DE LA SECHERESSE ET DE LA SALINITE CHEZ LES PLANTES CULTIVEES. PHYSIOLOGIE DE LA PRODUCTION DES PLANTES CULTIVEES SOUS CHACUN DE CES STRESS. CULTURES A L'ETUDE: HERBAGES, CEREALES, PLANTES ORNEMENTALES, CULTURES FRUITIERES, ESPECES LIGNEUSES.

CHRISTIE WJ : FISH POPULATION-DYNAMICS. EFFECTS OF WEATHER, SEA LAMPREY, OVER-FISHING ON YIELDS FROM ECONOMICALLY IMPORTANT LAKE ONTARIO FISH-STOCKS. FISH COMMUNITY DYNAMICS; ANALYSIS OF HISTORICAL TRENDS IN LAKE ONTARIO; IDENTIFICATION OF STRESS EFFECTS. ECOSYSTEM STUDIES. STRATEGIC FISHING MANAGEMENT PLANNING.

DESCHENES JM : DEVELOPMENT OF CROP PLANTS VIA CONVENTIONAL & BIOTECHNOLOGICAL BREEDING TECHNIQUES. PLANT SUPPORT PROGRAMS IN STRESS PHYSIOLOGY PROTECTION, NITROGEN FIXATION & MYCOTOXINS.

STRESS

DONALDSON EM : SALMONID CULTURE ESPECIALLY CONTROLLED REPRODUCTION, STRESS RESPONSES GROWTH CONTROL, AND CHROMOSOME SET MANIPULATION.
GODBOUT C : RECHERCHES SUR LA FORET ET LES PRODUITS FORESTIERES: ECOSYSTEME FORESTIER (EVOLUTION, DESCRIPTION, REACTION AUX STRESS); REBOISEMENT ET TRAVAUX SYLVICOLES; AMELIORATION GENETIQUE DES ARBRES; TECHNIQUES DE PROTECTION; UTILISATION ET GESTION-DES-FORETS.
HOFSTRA G : EFFECTS OF ENVIRONMENTAL STRESS ON CROP PLANTS. SALT STRESS IN BEDDING PLANTS. GROWTH REGULATORS & STRESS ALLEVIATION. TREE PHYSIOLOGY.
MIDDLETON J : MEASUREMENT & ANALYSIS OF ECOLOGICAL STRESS & DISTURBANCE IN ECOSYSTEMS AT LARGE SCALES (KILOMETRES) INCLUDING LANDSCAPES DOMINATED BY HUMAN ACTIVITY.
RAO SS : MICROBIOLOGICAL WATER-QUALITY OF GREAT LAKES & ACID-STRESSED LAKES. MICROBIAL BIODEGRADATION. MICROBIAL TOXICITY SCREENING. MICROBIOLOGY OF SEWAGE. INDUSTRIAL-WASTES. MICROBES & ENVIRONMENTAL STRESS. DIAGNOSTIC ENTERIC BACTERIOLOGY. TOXIC METAL, MICROBES ASSOCIATION. ACTIVATED SLUDGE & VITAMIN B12.
REDMANN RE : PHYSIOLOGICAL PLANT ECOLOGY, GRASSLAND ECOLOGY, POLLUTION EFFECTS ON PLANTS, ESPECIALLY AIRBORNE SALTS AND ACIDITY, DROUGHT STRESS EFFECTS, PLANT WATER RELATIONS, CARBON-DIOXIDE EXCHANGE IN PLANTS.
REYNOLDISON TB : USE OF OLIGOCHAETA AS INDICATORS OF TOXIC CONTAMINANT STRESS. THIS INVOLVES EXAMINATION OF INDIVIDUAL SPECIMENS FOR THE PRESENCE OF CHAETAL-DEFORMITIES. IDENTIFICATION OF THE ROLE OF TEMPERATURE & OXYGEN IN THE POPULATION-DYNAMICS OF OLIGOCHAETA IN LAKE ERIE.
STUSHNOFF C : COLD STRESS, PLANT BREEDING, FRUIT CROPS. GENE RESOURCES & CRYOPRESERVATION; STRAWBERRIES, APPLES, BLUEBERRIES, GENERAL HORTICULTURE INCLUDING VEGETABLES, POTATOES.
VANDERMEULEN JH : RESEARCH: PHYSIOLOGICAL & BIOCHEMICAL, POLLUTION STRESS IN AQUATIC ORGANISMS PRIMARILY FROM PETROLEUM HYDROCARBONS. PHYSICAL & CHEMICAL, FATE & DISPOSITION OF PETROLEUM HYDROCARBONS IN COASTAL SEDIMENTS. COASTAL ZONE POLLUTION & MANAGEMENT.
WHYTE JNC : BIOCHEMICAL INVESTIGATIONS ON ENVIRONMENTAL STRESS RELATED TO LIVE HOLDING & STORAGE CONDITIONS FOR SHELLFISH. STUDIES ON CHANGES OF METABOLIC & ENERGY RESERVES IN BIVALVES SUBJECTED TO NATURAL OR ARTIFICIAL FEED (FROM BATCH CULTURED MARINE PHYTOPLANKTON).

STROMATOLITES

MACKO SA : NITROGEN GEOCHEMISTRY OF MARINE SEDIMENTS AND PETROLEUM; EARLY DIAGENESIS OF ORGANIC MATTER; RESOLUTION OF FOOD-WEBS & ORIGINS OF STROMATOLITES THROUGH STABLE ISOTOPE ANALYSIS; KINETIC-ISOTOPIC FRACTIONATION OF ORGANIC AND INORGANIC SUBSTRATES.

SUBARCTIC

ADAMS WP : ASPECT OF HYDROLOGY AND BIOLOGY INVOLVING SNOW AND ICE. STUDIES ON SNOW-COVER, LAKE ICE AND GLACIERS. STUDIES IN ARCTIC, SUBARCTIC AND COLD TEMPERATE REGIONS.
ATTON FM : LIMNOLOGY: APPLIED ASPECTS AND ENVIRONMENTAL-IMPACT-ASSESSMENT. FISH AND MANAGEMENT OF FISHERIES; IDENTIFICATION OF ARCHAEOLOGICAL FISH FAUNAL MATERIAL. LAKE MANAGEMENT: INFERTILE SUBARCTIC LAKES & EUTROPHIC LAKES. CONSULTANT TO GOVERNMENT, PRIVATE CORPORATIONS.
DUNBAR MJ : ARCTIC & SUBARCTIC MARINE ECOSYSTEMS; CLIMATIC CHANGE & ITS EFFECTS ON MARINE FAUNA & FLORA; BIOLOGICAL & ENVIRONMENTAL CYCLES.
KERSHAW GP : RECLAMATION & MITIGATION OF ARCTIC, SUBARCTIC & ALPINE DISTURBANCES DEVELOPMENT OF RESOURCES. ASPEN PARKLAND, BOREAL, SUBARCTIC, ALPINE & ARCTIC ECOSYSTEMS STRUCTURE & FUNCTION.
SENYK JP : ECOSYSTEM IDENTIFICATION AND CHARACTERIZATION THROUGH REMOTE-SENSING AND GROUND-TRUTHING. EXPERTISE IN TERRAIN, SOIL CLASSIFICATION WITHIN AN ECOLOGICAL FRAMEWORK CONCENTRATING ON TEMPERATE COASTAL, CONTINENTAL AND SUBARCTIC ENVIRONMENTS.
SIMS RA : VEGETATION AND SITE-CLASSIFICATION OF BOREAL-FORESTS. SUBARCTIC WETLAND AND ARCTIC TUNDRA AREAS. FOREST-ECOSYSTEM CLASSIFICATION OF BOREAL NORTHERN ONTARIO. REMOTE-SENSING FOR VEGETATION STUDY; MAPPING AND INVENTORY (USING SATELLITE AND AERIAL-PHOTO DATA).
ZOLTAI SC : RESEARCH IN DYNAMICS OF WETLANDS IN ARCTIC, SUBARCTIC AND BOREAL REGIONS. RESEARCH IN ENVIRONMENTAL-IMPACT-ASSESSMENT AND IN PLANT SOIL RELATIONSHIPS IN THE ABOVE REGIONS OF CANADA.

SUBLETHAL

BEAMISH FWH : ECOLOGY AND PHYSIOLOGY OF TELEOSTS AND CYCLOSTOMES. BIOENERGETICS AND NUTRITION OF SALMONIDS. SUBLETHAL EFFECTS OF XENOBIOTICS ON FISHES.
COOK RH : AQUACULTURE DEVELOPMENT (ATLANTIC SALMON, AMERICAN LOBSTER, SEA SCALLOPS) GROWTH & REPRODUCTIVE PHYSIOLOGY, DISEASE & NUTRITION, DIET FORMULATIONS, METHODS OF DISEASE-PREVENTION, GENETICS. POLLUTION EFFECTS ON FISH: ECOLOGICAL STUDIES, SUBLETHAL BIOLOGICAL EFFECTS, METHODS, DETECTION & ANALYSIS OF TRACE ORGANIC & INORGANIC TOXIC-CHEMICALS.
FREEMAN HC : QUANTIFICATION OF POLLUTANTS AND CONTAMINANTS IN FISH AND SUBLETHAL EFFECTS (BIOCHEMICAL TESTS).

SUBLETHAL

HAYA K : AQUATIC TOXICOLOGY: BIOCHEMICAL INDICATORS OF SUBLETHAL EFFECTS CAUSED BY POLLUTANTS IN AQUATIC ORGANISMS, PARTICULARLY PARAMETERS OF INTERMEDIARY ENERGY METABOLISM.

SUBSOIL

FUJIKAWA J : CHARACTERIZATION & ASSESSMENT OF THE BIOTRANSFORMATIONAL POTENTIAL OF BACTERIA IN SUBSOIL & GROUNDWATER ENVIRONMENT.

SUBSTANCES-INFLAMMABLES

JAOUICH A : TERRES AGRICOLES CONTRAINTES GENERALES. PROPRIETES PHYSIQUES, CHIMIQUES, BIOLOGIQUES. PROBLEMES DE TRAITEMENT DE DECHETS-AGRICOLES, INDUSTRIELS ET URBAINS. SYSTEMES DE TRANSPORT ET ENTREPOSAGE DE SUBSTANCES-INFLAMMABLES.

SUBTROPICS

SCOTT GAJ : MAN'S IMPACT ON SOIL VEGETATION NUTRIENT SYSTEMS, PARTICULARLY THROUGH DEFORESTATION BY LOGGING OR SHIFTING CULTIVATION IN THE HUMID TROPICS & SUBTROPICS.

SUCKERS

HOLDWAY DA : FISH-TOXICOLOGY: CHRONIC & ACUTE EFFECTS OF PESTICIDES (METHOXYCHLOR, PERMETHRIN), HERBICIDES (GLYPHOSATE), & METALS (VANADIUM) ON SURVIVAL, GROWTH & REPRODUCTION OF FLAGFISH & WHITE SUCKERS; EFFECTS ON BRAIN NEUROTRANSMITTERS & BIOENERGETICS. DEVELOPED TECHNIQUE FOR MEASURING DIMETHYL-SULFIDE AT PARTS PER TRILLION LEVELS IN FRESHWATER.

SUGAR-MAPLE

ANDERSON HW : BIOMASS PRODUCTIVITY AND CLONAL PROPERTIES OF HYBRID POPLAR, WILLOW AND ALDER. GROWTH, QUALITY AND REGENERATION OF HIGH VALUE. HARDWOODS: SUGAR-MAPLE OR YELLOW BIRCH.

HAVAS M : EFFECTS OF LOW PH AND METALS (A1, 2N, NI, FE, CA, ETC) ON SURVIVAL, REPRODUCTION, SODIUM REGULATION CHEMICAL-COMPOSITION OF AQUATIC INVERTEBRATES FROM BOTH ARCTIC (SMOKING HILLS, NWT) AND TEMPERATE REGIONS. METAL CONTENT AND LOCALIZATION IN AQUATIC MACROPHYTES. EFFECTS OF ALUMINUM ON SUGAR-MAPLE DIEBACK.

SULFURE-D'HYDROGENE

LACOURSIERE JP : OXIDATION CATALYTIQUE DU SULFURE-D'HYDROGENE EN PHASE AQUEUSE.

SULPHATE

ANLAUF K : MEASUREMENT OF AMBIENT ATMOSPHERIC-POLLUTANTS RELATED TO ACIDIC-PRECIPITATION, OXIDANTS & SMOG. OXIDATION OF SULPHUR-DIOXIDE TO SULPHATE & NITROGEN-DIOXIDE TO NITRIC-ACID; ATMOSPHERIC PARTICULATE MATTER & ITS MEASUREMENT. TRANSPORT OF AIR-POLLUTION & ITS CHEMICAL TRANSFORMATION. OZONE.

BESNER DI : STUDIES ON VARIETY OF ENVIRONMENTAL ISSUES: IMPACTS OF ACID-RAIN (WET SULPHATE DEPOSITION), FATE OF PESTICIDES, PH SHOCK FROM SNOWMELT. ORIENTED TO PRACTICAL APPLICATION OF CONTROL PROGRAMS, ENVIRONMENTAL-PLANNING & ENVIRONMENTAL-ASSESSMENT TECHNIQUES.

CHIA CJ : MERCURY POLLUTION, WASTE ALKYLATION ACID, WASTE SULPHATE SOLUTION FROM CHLORALKALI PLANT. AMMONIA CONDENSATES & THEIR TREATMENT AND OR RECOVERY.

CHUNG YS : LONG-RANGE-TRANSPORT-OF-AIR-POLLUTION (LRTAP), SATELLITE DETECTION OF AIR-POLLUTION, EMISSION OF FOREST FIRES, OZONE, SULPHATE, TSP & CARBON-DIOXIDE.

SULPHIDE

NICHOLSON RV : GEOCHEMICAL MODELLING & GROUNDWATER CONTAMINATION. RESEARCH INCLUDES SULPHIDE MINERAL OXIDATION & ACID GENERATION, CHEMICAL EVOLUTION OF URANIUM MILL-TAILINGS, MODELLING ACID GENERATION, OXYGEN TRANSPORT IN SUBSURFACE (TAILINGS) & EQUILIBRIUM & KINETIC MODELLING OF GEOCHEMICAL PROCESS.

RITCEY GM : PROCESS OF URANIUM AND BASE-METAL ORES WHERE THE ENVIRONMENTAL CONSIDERATIONS OF TAILINGS EFFLUENTS WERE CONSIDERED. RECENTLY DEVOTED TO URANIUM AND SULPHIDE TAILINGS, TO PREDICT THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH THE TAILINGS WITH TIME. MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK WILL BE EXTENDED TO MATERIALS TO INHIBIT OXIDATION.

SULPHUR

DE SOUZA TLC : MONITORING OF SULPHUR GASES FROM SUCH PROCESSES AS KRAFT PULPING IN THE MANUFACTURE OF PAPER. EXPERTISE IN WET-SCRUBBING OF TOTAL REDUCED SULPHUR GASES IN ORDER TO MEET COMPLIANCE REQUIREMENTS.

ENGLISH M : DETERMINATION THROUGH AIRCRAFT MEASUREMENTS OF THE TRANSPORT, DIFFUSION & TRANSFORMATION RATES OF SULPHUR & NITRIC-OXIDES EMITTED FROM OIL-SANDS EXTRACTION PLANTS IN NORTHERN ALBERTA. STUDY OF THE EFFECT OF URBAN AIR-QUALITY ON VISIBILITY.

FRIEDRICH FD : PILOT SCALE RESEARCH & FULL SCALE DEMONSTRATION ON ATMOSPHERIC FLUIDIZED BED COMBUSTION TO UTILIZE HIGH ASH, HIGH SULPHUR FUELS (COAL, REFINING RESIDUES) FOR INDUSTRIAL STEAM OR THERMAL POWER.

GEORGE Z : SULPHUR-DIOXIDE EMISSION. HYDROGEN-SULPHIDE EMISSION. REACTION BETWEEN SULPHUR-DIOXIDE & HYDROGEN-SULPHIDE. ROLE OF CATALYSTS IN THE ABOVE REACTION. SULPHUR RECOVERY.

KROUSE HR : STABLE ISOTOPE ABUNDANCES ARE USED TO IDENTIFY SOURCES OF POLLUTANTS (MAINLY SULPHUR COMPOUNDS) AND TRACE THEIR FATE IN THE ENVIRONMENT.

MEISEN A : NATURAL-GAS PROCESSING. SULPHUR PRODUCTION, FORMING & HANDLING. PETROCHEMICALS MANUFACTURE.

PINSONNAULT J : AIR-POLLUTION MONITORING & CONTROL MOSTLY IN THE AREAS OF SULPHUR-DIOXIDE REDUCED SULPHUR COMPOUNDS & PARTICULATE FROM PULP & PAPER MILLS.

SHAW GG : DETERMINING THE CONCENTRATION OF SULPHUR, METALS & PESTICIDES IN SOIL, AIR, WATER, VEGETATION & ANIMALS & THE EFFECTS OF THOSE CHEMICALS & ELEMENTS ON PLANTS & ANIMALS THROUGH EXPERIMENTS & STATISTICAL-ANALYSIS.

WAN JKS : DISPOSAL OF CHEMICAL WASTE BY NOVEL MICROWAVE INDUCED CATALYTIC TECHNIQUES; DESTRUCTION OF PCBS. SOME OF OUR WORK HAS BEEN PUBLISHED IN OPEN AND PATENT LITERATURE. CURRENT RESEARCH USING THE MICROWAVE INDUCED CATALYTIC TECHNIQUES INCLUDES THE REMOVAL OF SULPHUR GASES IN INDUSTRIAL ENVIRONMENT.

SULPHUR-DIOXIDE

ANLAUF K : MEASUREMENT OF AMBIENT ATMOSPHERIC-POLLUTANTS RELATED TO ACIDIC-PRECIPITATION, OXIDANTS & SMOG. OXIDATION OF SULPHUR-DIOXIDE TO SULPHATE & NITROGEN-DIOXIDE TO NITRIC-ACID; ATMOSPHERIC PARTICULATE MATTER & ITS MEASUREMENT. TRANSPORT OF AIR-POLLUTION & ITS CHEMICAL TRANSFORMATION. OZONE.

GEORGE Z : SULPHUR-DIOXIDE EMISSION. HYDROGEN-SULPHIDE EMISSION. REACTION BETWEEN SULPHUR-DIOXIDE & HYDROGEN-SULPHIDE. ROLE OF CATALYSTS IN THE ABOVE REACTION. SULPHUR RECOVERY.

HOFF RM : USE OF ACTIVE REMOTE-SENSING TECHNIQUES FOR AIR-POLLUTION RESEARCH DEVELOPMENT OF DIAL FOR DETECTION OF SULPHUR-DIOXIDE & OZONE & ACTIVE SPECTROSCOPIC TECHNIQUES.

MOHTADI MF : CHEMICAL TRANSFORMATIONS AND DISPERSION OF SULPHUR-DIOXIDE IN THE ATMOSPHERE. DISPERSION AND MIGRATION OF SPILLED CRUDE OIL WITHIN SOIL AND POTENTIAL ENVIRONMENTAL HAZARDS OF OIL-SPILLS ON LAND.

PHILLIPS SF : VEGETATION & SOIL STUDIES TO DETERMINE DEGREE & EXTENT OF ENVIRONMENTAL-CONTAMINATION & EFFECTS ON TERRESTRIAL-ECOSYSTEMS. DIRECT & INDIRECT EFFECTS OF HEAVY-METALS & SULPHUR-DIOXIDE FROM NON-FERROUS METAL SMELTERS ON BOREAL-FOREST ECOSYSTEMS; MONITOR LRTAPS, WOOD PRESERVATIVE CHEMICALS.

PINSONNAULT J : AIR-POLLUTION MONITORING & CONTROL MOSTLY IN THE AREAS OF SULPHUR-DIOXIDE REDUCED SULPHUR COMPOUNDS & PARTICULATE FROM PULP & PAPER MILLS.

SILVERMAN F : RESPIRATORY EFFECTS OF AIR-POLLUTION ON ASTHMATIC AND HEALTHY NON-ASTHMATICS: A) CONTROLLED HUMAN EXPOSURES IN AN ENVIRONMENTAL CHAMBER (OZONE, SULPHUR-DIOXIDE, CIGARETTE-SMOKE), B) DAILY VARIATIONS IN EXPOSURE (INDOOR, OUTDOOR AND PERSONAL MONITORING).

SUNLIGHT

UNGER I : PHOTODEGREDATION, PHOTOLYSIS AND PHOTOCHEMICAL REACTIONS OF PESTICIDES. THE INTERACTION OF SUNLIGHT WITH PESTICIDES. FLUORESCENCE, PHOSPHORESCENCE AND ABSORPTION CHARACTERISTICS OF PESTICIDES.

SUPERBURN

BAKER JR : ENGINEERING & CONSTRUCTION OF FLUIDIZED RATION BED INCINERATION ("SUPERBURN" PROCESS) FOR MUNICIPAL & INDUSTRIAL-WASTE SYSTEMS ARE HIGHLY EFFICIENT, WITH LITTLE OR NO ENVIRONMENTAL-CONTAMINATION.

SURFACE-WATER

AMBLER DC : SURFACE-WATER HYDROLOGY IN THE ATLANTIC PROVINCES AND THE EASTERN ARCTIC ISLANDS. RUNOFF SIMULATION. WATERSHED FORECASTING.

GLENN JE : PLANNING & MANAGEMENT OF SURFACE-WATER RESOURCES OF SOUTH-SASKATCHEWAN RIVER BASIN IN ALBERTA.

SURFACE-WATER

TOPUSCHAK R : ALBERTA ENVIRONMENT TECHNICAL SERVICES DIVISION IS RESPONSIBLE FOR PROVIDING THE DEPARTMENT WITH ALL NECESSARY EXPERTISE IN RIVER FLOW FORECASTING RIVER ENGINEERING, SURFACE-WATER HYDROLOGY AND SURVEYING. IT COORDINATES THE OPERATIONS IN THE PHYSICAL ASSESSMENT OF THE OCCURENCE, CONTROL AND EFFECT OF SURFACE-WATER IN RELATION TO NATURAL PHENOMENA, MAN-MADE WORKS AND PROPOSED PROJECTS.
TREW DO : SURFACE-WATER QUALITY MANAGEMENT IN ALBERTA. LOCALIZED IMPACT-ASSESSMENT, GENERAL SURVEY PROGRAMS. MAINTENANCE OF LONG TERM MONITORING STATIONS. WATER-QUALITY ISSUES INCLUDE: EUTROPHICATION, ACIDIC DEPOSITION, IMPACTS FROM MUNICIPAL EFFLUENTS, INDUSTRIAL-EFFLUENTS & RESOURCE EXTRACTION. RIVER BASIN PLANNING; LAKE MANAGEMENT PLANNING.

SURFACE-WATERS

LEE DR : GROUNDWATER CONTAMINANT FLUX TO SURFACE-WATERS, IDENTIFICATION OF GROUNDWATER DISCHARGE ZONES, STUDIES OF RADIONUCLIDE MIGRATION IN POROUS MEDIA TOXICITY OF METALS AND SYNTHETIC ORGANICS TO AQUATIC LIFE.
LOESCHER B : ANALYTICAL-CHEMISTRY OF METALS, PARTICULARLY ANALYSIS OF ACIDIC-PRECIPITATION, AND SURFACE-WATERS.
MITCHELL PA : LIMNOLOGY OF EUTROPHIC, SHALLOW LAKES; WATER-QUALITY MONITORING; IMPACT-ASSESSMENT OF SURFACE-WATERS; CHARACTERIZATION OF FLOWING WATERS.
POLLOCK TL : OPERATION OF A MONITORING AND SURVEY SERVICE ON THE AQUATIC ENVIRONMENT IN ATLANTIC CANADA. THIS INCLUDES EFFECTS OF LRTAP AND TOXIC-CHEMICALS, AS DEFINED BY ENVIRONMENT CANADA, ON SURFACE-WATERS, LAKE AND RIVER SEDIMENTS AND BIOTA.
WONG SL : ASSESS THE IMPACT OF TOXIC SUBSTANCES ON BIOTA IN BOTH SURFACE-WATERS & INDUSTRIAL WASTEWATERS USING ASSAY TECHNIQUES WITH ALGAE & ZOOPLANKTON AS TEST ORGANISMS.
YOUNG M : BACTERIAL POLLUTION OF SURFACE-WATERS & SEDIMENTS FROM FECAL (URBAN & RURAL) & INDUSTRIAL SOURCES; ANALYSIS & INTERPRETATION. DISPOSAL OF PATHOLOGICAL WASTE.

SURFACTANT

CLARK AG : AQUATIC VIBRIOS, SURVIVAL TOXIGENESIS & VARIATION IN VIRULENCE. HYDROCARBON DEGRADATION & SURFACTANT PRODUCTION IN MIXED & PURE CULTURES. MICROBIAL DEGRADATION OF WATER POLYMER BASED PAINT: PAINT ANTIMICROBIALS.
MOON KS : SURFACE CHEMISTRY IN WASTEWATER CLEANING, DESULPHURIZATION OF COAL, MINERAL PROCESSING, FLOCCULATION, FILTRATION, DEWATERING, SETTLING AND DRYING; CRYSTAL CHEMISTRY IN SURFACTANT ADSORPTION AND DESORPTION; AND VARIOUS SOLUTION CHEMISTRY OF ORGANICS AND INORGANIC MATERIALS.

SURVEILLANCE

BEWERS JM : GEOCHEMISTRY OF TRACE-METALS IN THE MARINE ENVIRONMENT. HALOGEN GEOCHEMISTRY. RADIOACTIVITY ANALYSIS. RESEARCH RELATED TO DISPOSAL OF RADIOACTIVE-WASTE IN THE OCEAN INCLUDING ENVIRONMENTAL SURVEILLANCE PROGRAMS.
BUCKNER CH : FOREST-PROTECTION BY MEANS OF PESTICIDES; FOREST-MANAGEMENT; POPULATION-DYNAMICS AS APPLIED TO PEST-MANAGEMENT; BIOLOGICAL CONTROL OF FOREST PESTS; USE OF AIRCRAFT IN FORESTRY FOR PROTECTION & SURVEILLANCE.
GANNON J E : LIMNOLOGY WITH SPECIAL EMPHASIS ON ZOOPLANKTON ECOLOGY. WATER-RESOURCES MANAGEMENT & ENVIRONMENTAL EDUCATION, SECRETARIAT DUTIES WITH RESPONSIBILITY FOR OVERSEEING US & CANADIAN MONITORING & SURVEILLANCE PROGRAMS ON THE GREAT-LAKES.
GUTHRIE JE : GENERAL AND APPLIED ECOLOGY, WITH SPECIALIST EXPERTISE IN RADIATION ECOLOGY. AREAS OF RESEARCH INCLUDE ENVIRONMENTAL RADIATION MONITORING AND SURVEILLANCE, AND EFFECTS OF CHRONIC EXPOSURE TO RADIATION ON TERRESTRIAL-ECOSYSTEMS. GEOGRAPHIC INFORMATION-SYSTEMS.
JOBIN LJ : DEVELOPPEMENT DE PIEGES A INSECTES ET DE RESEAUX PERMETTANT LA DETECTION ET LA SURVEILLANCE D' INSECTES INVISIBLES AUX FORETS ET A L' AGRICULTURE. PIEGES A PHEROMONES SEXUELLES ET PIEGES-LUMINEUX. ENTOMOLOGIE FORESTIERE. PROTECTION DES FORETS.
PREVOST C : LA TELEDETECTION; L' AGRICULTURE ET LA TELEDETECTION (APPLICATION EN AFRIQUE). SURVEILLANCE DES RESSOURCES EN EAU SAHEL PAR TELEDETECTION.

SURVEY

CLARK JS : DIRECTOR OF THE LAND RESOURCE RESEARCH CENTRE. HAS RESPONSIBILITY FOR NATIONAL SOIL SURVEY PROGRAMS AND FOR RESEARCH AND DEVELOPMENT IN SOIL PHYSICS, CHEMISTRY, MINERALOGY AND MICROBIOLOGY, AGROMETEOROLOGY AND LAND USE AND EVALUATION.
KESIK AB : GEOMORPHOLOGICAL & HYDROLOGICAL SURVEY AND MAPPING. REMOTE-SENSING OF NATURAL-RESOURCES. TERRAIN EVALUATION.
LE BLANC JPR : POPULATION ECOLOGY; EFFECTS OF TEMPERATURE ON THE PREDATORY PHYTOSEIID-MITES ON APPLE. SOIL ARTHROPODS SURVEY & RELATIONSHIP TO SOIL-FERTILITY. INTEGRATED PEST-MANAGEMENT PROGRAMS OF AGRICULTURAL PESTS, PRIMARILY TRAPPING & MONITORING TECHNIQUES. CURATOR OF THE ENTOMOLOGICAL COLLECTIONS.
LLOYD K : WILDLIFE POPULATION & HABITAT RESEARCH & MANAGEMENT: INVENTORY PROGRAM, PROBLEM WILDLIFE RESEARCH & MANAGEMENT SURVEY TECHNIQUE RESEARCH & MANAGEMENT PLANS.

SURVEY

POLLOCK TL : OPERATION OF A MONITORING AND SURVEY SERVICE ON THE AQUATIC ENVIRONMENT IN ATLANTIC CANADA. THIS INCLUDES EFFECTS OF LRTAP AND TOXIC-CHEMICALS, AS DEFINED BY ENVIRONMENT CANADA, ON SURFACE-WATERS, LAKE AND RIVER SEDIMENTS AND BIOTA.
RUBEC CDA : EFFECTS OF ACID-PRECIPITATION & ECOSYSTEMS AT RISK. ASSESSMENT OF RESOURCES AT RISK TO ACID-RAIN. WETLANDS & LAND CONSERVATION. LAND USE MONITORING. ECOLOGICAL LAND SURVEY. NORTHERN ECOLOGY.
SANDILANDS RW : FIELD SURVEYS: OPERATIONS IN BRITISH-COLUMBIA COAST, WESTERN ARCTIC. MARITIME HISTORY: BRITISH-COLUMBIA, WESTERN ARCTIC & GREAT-LAKES. TOPONOMY IN COASTAL BRITISH-COLUMBIA. NATURAL-RESOURCE CHARTING; SURVEY POSITIONING; OFFSHORE MINERAL RESOURCE DEVELOPMENT.
SUDOM MD : SOIL SURVEY & LAND-USE STUDIES. ENVIRONMENTAL GUIDELINES FOR LIVESTOCK OPERATIONS. LAND-USE MONITORING.
TREW DO : SURFACE-WATER QUALITY MANAGEMENT IN ALBERTA. LOCALIZED IMPACT-ASSESSMENT, GENERAL SURVEY PROGRAMS. MAINTENANCE OF LONG TERM MONITORING STATIONS. WATER-QUALITY ISSUES INCLUDE: EUTROPHICATION, ACIDIC DEPOSITION, IMPACTS FROM MUNICIPAL EFFLUENTS, INDUSTRIAL-EFFLUENTS & RESOURCE EXTRACTION. RIVER BASIN PLANNING; LAKE MANAGEMENT PLANNING.

SURVEYING

EATON RM : LORAN-NAVIGATION; CALIBRATION FOR ACCURATE LATTICE DRAWING AND POSITION CALCULATION. NAVSTAR GPS; CONTRACT SUPERVISION FOR INVESTIGATIONS IN POSITIONING ACCURACY AND SPECIAL MODIFICATIONS FOR HYDROGRAPHIC SURVEYING. ELECTRONIC CHART DISPLAY; INVESTIGATIONS IN TECHNICAL AND ORGANIZATIONAL ASPECTS OF SAFER NAVIGATION THROUGH COMPUTER GENERATED CHART DISPLAYS, WITH EMPHASIS ON PREPARING THE HYDROGRAPHIC DATA-BASE.
TOPUSCHAK R : ALBERTA ENVIRONMENT TECHNICAL SERVICES DIVISION IS RESPONSIBLE FOR PROVIDING THE DEPARTMENT WITH ALL NECESSARY EXPERTISE IN RIVER FLOW FORECASTING RIVER ENGINEERING, SURFACE-WATER HYDROLOGY AND SURVEYING. IT COORDINATES THE OPERATIONS IN THE PHYSICAL ASSESSMENT OF THE OCCURENCE, CONTROL AND EFFECT OF SURFACE-WATER IN RELATION TO NATURAL PHENOMENA, MAN-MADE WORKS AND PROPOSED PROJECTS.

SURVEYS

BIOMAIL OFFICE : FUNDAMENTAL RESEARCH IN ALL FIELDS OF MARINE SCIENCES (PHYSICS, BIOLOGY, CHEMISTRY & GEOLOGY) & FISHERIES. HYDROGRAPHIC SURVEYS; PRODUCTION OF NAVIGATIONAL CHARTS FOR REGIONS FROM GEORGE'S BANK TO THE NORTHWEST PASSAGE IN THE CANADIAN ARCTIC; RESEARCH ON POSITIONING SYSTEMS.
DEMAYD A : WATER-QUALITY MONITORING & SURVEYS. WATER-QUALITY OBJECTIVES. ENVIRONMENTAL DATA & MANAGEMENT INFORMATION-SYSTEMS. WATER-QUALITY DATA INTERPRETATION & REPORTING. ORGANIZATION & EVALUATION OF PROGRAMS.
EEDY W : DESIGN, MANAGEMENT AND COSTING OF MULTIDISCIPLINARY ENVIRONMENTAL-IMPACT STUDIES, MITIGATION OR CONTINGENCY-PLANNING TERRESTRIAL-ECOLOGY SURVEYS, HAZARDOUS-WASTE MANAGEMENT, RESOURCE ECONOMICS, END-USE PLANNING, AND PUBLIC-PARTICIPATION PROGRAMS.
FORRESTAL BJ : REDUCTION, REUSE, RECYCLE, RECOVERY, EXCHANGE OF INDUSTRIAL-WASTES. REPORTS ON FOOD AND METAL FINISHING INDUSTRIES. LANDFILL GAS GENERATION. REGULATION COMPLIANCE CONSULTING AND TESTING. ENVIRONMENTAL SURVEYS. ONTARIO WASTE EXCHANGE OPERATION. NOVEL WASTE-TREATMENT USING PEAT.
FORTESCUE JAC : ENVIRONMENTAL GEOCHEMICAL SURVEYS GEOCHEMICAL STUDIES OF ENVIRONMENTAL DECLINE IN WATERS AND FORESTS OF THE CANADIAN SHIELD.
GIZYN WI : EFFECT OF ACIDIC-DEPOSITION ON TERRESTRIAL ENVIRONMENT. SURVEYS OF FOLIAR CHEMICAL COMPOSITION IN FOREST TREE SPECIES.
KOBYLNYK R : SURVEYS OF PESTICIDE RESIDUES IN AREAS WHERE SURFACE & GROUNDWATER CONTAMINATION MAY OCCUR.
LOUIE RH : BIOPHYSICAL SURVEYS (SOILS, SURFICIAL GEOLOGY, VEGETATION, WILDLIFE HABITAT, CLIMATE), LAND USE IN BRITISH-COLUMBIA & APPLICATIONS FOR AGRICULTURE, FORESTRY, WILDLIFE, WATER, FISH & OTHER LAND USE PLANNING, ASSESSMENT AND MONITORING. BASE MAP PRODUCTION (TOPOGRAPHIC, PLANIMETRIC AND CADASTRAL). REMOTE-SENSING.
MCADIE HG : AIR-MONITORING SURVEYS. ANALYTICAL METHODS FOR AIR-POLLUTION MEASUREMENT. ATMOSPHERIC TRANSPORT. INTERNATIONAL STANDARDS.
PEARSON RG : PRACTICAL RESEARCH & FIELD SURVEYS ON EFFECTS OF AIR-POLLUTANTS ON TERRESTRIAL-ECOSYSTEMS IN ONTARIO.
REYNOLDS PJ : PLANNING, COORDINATING AND CONDUCTING A PROGRAM OF LARGELY DIVERSE STUDIES RELATED TO WATER-RESOURCES POLICY STRATEGIES AND MANAGEMENT INTERFACES WITH FOOD, FIBRE, ENERGY AND MINERALS DEVELOPMENT OF WATER-USE ANALYSIS MODELS. CONDUCTING NATIONAL WATER-USE SURVEYS. EVALUATION OF THE VALUE OF WATER-RESOURCES SYSTEMS.
ROWSELL JA : CONSULTANT IN TERRESTRIAL-ECOLOGY: BIOCHEMICAL DYNAMICS; REMOTE-SENSING DATA-ANALYSIS; PHYTOTOXICOLOGY; INDUSTRIAL WASTE-MANAGEMENT; LAND APPLICATION OF WASTES; ENVIRONMENTAL-IMPACT-ASSESSMENT; ECOLOGICAL LAND-CLASSIFICATION; PEATLAND BIOLOGY; FLORA, FAUNA SURVEYS.
SANDILANDS RW : FIELD SURVEYS: OPERATIONS IN BRITISH-COLUMBIA COAST, WESTERN ARCTIC. MARITIME HISTORY: BRITISH-COLUMBIA, WESTERN ARCTIC & GREAT-LAKES. TOPONOMY IN COASTAL BRITISH-COLUMBIA. NATURAL-RESOURCE CHARTING; SURVEY POSITIONING; OFFSHORE MINERAL RESOURCE DEVELOPMENT.

SURVEYS

SCOTT JS : GROUNDFISH SURVEYS OF SCOTIAN SHELF. ABUNDANCE, DISTRIBUTION & ECOLOGY OF GROUNDFISH. PARASITES & DISEASES OF MARINE FISH. PARASITE-ECOLOGY.
SURRENDI DC : FISHERIES INCLUDING SPORTFISH MANAGEMENT SURVEYS, COMMERCIAL FISH MANAGEMENT, FISH CULTURE RESEARCH. WILDLIFE INCLUDING BIOLOGICAL RESEARCH ON WILDLIFE SPECIES, HUMANE-TRAPPING RESEARCH. SOCIO-ECONOMIC INCLUDING RESEARCH ON SOCIO-ECONOMIC ASPECTS OF FISH & WILDLIFE RESOURCE USE.

SURVIVAL

CLARK AG : AQUATIC VIBRIOS, SURVIVAL TOXIGENESIS & VARIATION IN VIRULENCE. HYDROCARBON DEGRADATION & SURFACTANT PRODUCTION IN MIXED & PURE CULTURES. MICROBIAL DEGRADATION OF WATER POLYMER BASED PAINT: PAINT ANTIMICROBIALS.
HAVAS M : EFFECTS OF LOW PH AND METALS (A1, 2N, NI, FE, CA, ETC) ON SURVIVAL, REPRODUCTION, SODIUM REGULATION CHEMICAL-COMPOSITION OF AQUATIC INVERTEBRATES FROM BOTH ARCTIC (SMOKING HILLS, NWT) AND TEMPERATE REGIONS. METAL CONTENT AND LOCALIZATION IN AQUATIC MACROPHYTES. EFFECTS OF ALUMINUM ON SUGAR-MAPLE DIEBACK.
HOLDWAY DA : FISH-TOXICOLOGY: CHRONIC & ACUTE EFFECTS OF PESTICIDES (METHOXYCHLOR, PERMETHRIN), HERBICIDES (GLYPHOSATE), & METALS (VANADIUM) ON SURVIVAL, GROWTH & REPRODUCTION OF FLAGFISH & WHITE SUCKERS; EFFECTS ON BRAIN NEUROTRANSMITTERS & BIOENERGETICS. DEVELOPED TECHNIQUE FOR MEASURING DIMETHYL-SULFIDE AT PARTS PER TRILLION LEVELS IN FRESHWATER.
KWAIN W : THE EFFECTS OF ENVIRONMENTAL FACTORS ON THE SURVIVAL OF FISHES. INCUBATION AND GROWTH, SUCH AS TEMPERATURE, ACID AND HEAVY-METALS, ESPECIALLY TO THEIR EARLY LIFE-HISTORY.
LARSON DW : ECOLOGY, MORPHOLOGY, ANATOMY & PHYSIOLOGY OF PLANTS THAT GROW ON ROCKS & CLIFF-FACES. OBJECTIVE: TO DISCOVER MECHANISMS THAT PERMIT SURVIVAL IN SUCH HOSTILE ENVIRONMENTS.
ROY RM : MODIFICATION OF DAMAGE & RECOVERY FOLLOWING IRRADIATION BY PHARMACOLOGICAL DOSES OF D-TOCOPHEROL IN MAMMALS. PARAMETERS INVESTIGATED INCLUDE SURVIVAL OF REAMATOPOIETIC-STEM-CELLS, PERIPHERAL BLOOD DIFFERENTIAL COUNTS, HUMORAL-IMMUNE RESPONSE & LYMPHOCYTE PROLIFERATION.
SATTAR SYED A : IMPACT OF VIRAL POLLUTION ON HUMAN HEALTH; SURVIVAL OF VIRUSES IN WATER, SOIL & THE ATMOSPHERE; DEVELOPMENT OF TECHNIQUES FOR VIRUS RECOVERY FROM THE ENVIRONMENT.
ZAMMUTO RM : RELATIONSHIPS AMONG VARYING ENVIRONMENTAL CONDITIONS AND LIFE-HISTORIES OF BIRD AND MAMMAL POPULATIONS IN MONTANE OR BOREAL AREAS. TERRESTRIAL-ECOLOGY, ZOOLOGY, SURVIVAL, WILDLIFE, NON-GAME, REPRODUCTION, ORNITHOLOGY, WEATHER, BIOMETEOROLOGY, BIOMETRICS, BOREAL, CLIMATE, CONSERVATION, METEOROLOGY, MAMMAL POPULATION.

SUSPENDED-SOLIDS

SALTER RS : STUDY OF MINE AND MILL EFFLUENT TAILINGS, SLURRIES AND WATERS. CYANIDE DESTRUCTION, HEAVY-METALS PRECIPITATION, SUSPENDED-SOLIDS REMOVAL.

SWIMMING

LEDUC G : AQUATIC TOXICOLOGY. ACUTE AND LONG-TERM TOXICITY OF CYANIDE TO FISH. GROWTH, SWIMMING, OSMOREGULATION, ETC. EFFECTS OF MODIFYING FACTORS OF TOXICITY: TEMPERATURE, SIZE OF FISH, CURRENT OF WATER, ETC. MODE OF ACTION AND DETOXIFICATION OF CYANIDE. BIOACCUMULATION OF THIOCYANIDE. EFFECTS ON THYROID-GLAND AND RELATED FUNCTIONS.
MACKAY WC : ENVIRONMENTAL PHYSIOLOGY OF FISH PARTICULARLY ENERGETICS (SWIMMING, GROWTH, REPRODUCTION) OF TEMPERATE FRESHWATER FISH. FACTORS WHICH AFFECT GROWTH RATE INCLUDING LATITUDE, TEMPERATURE, COMPETITION. REPRODUCTIVE STRATEGIES.

SYLVICOLES

GODBOUT C : RECHERCHES SUR LA FORET ET LES PRODUITS FORESTIERES: ECOSYSTEME FORESTIER (EVOLUTION, DESCRIPTION, REACTION AUX STRESS); REBOISEMENT ET TRAVAUX SYLVICOLES; AMELIORATION GENETIQUE DES ARBRES; TECHNIQUES DE PROTECTION; UTILISATION ET GESTION-DES-FORETS.

SYLVICULTURE

HARDY Y : PROTECTION DES FORETS CONTRE LES INSECTES ET LES MALADIES; EPIDEMIOLOGIE ET LES MOUVEMENTS DES POPULATIONS D'INSECTES AINSI QUE L'ETUDE DES CHAMPIGNONS-PATHOGENES. LA CULTURE DE SEMIS EN CONTENEURS, LA SYLVICULTURE DES RESINEUX ET DES FEUILLUES, LA TELEDETECTION, LA GENETIQUE.

SYSTEMATICS

ARGUS GW : SYSTEMATICS OF SALIX (WILLOW) OF NORTH-AMERICA. RARE AND ENDANGERED-PLANTS OF CANADA.
CLAYTON JW : BIOCHEMICAL GENETICS, POPULATION GENETICS, SYSTEMATICS AND EVOLUTIONARY BIOLOGY OF FISHES AN ARCTIC MARINE MAMMALS.
CRIPPEN RW : MARINE & ESTUARINE BENTHOS, ESPECIALLY POLYCHAETES, THEIR SYSTEMATICS & TAXONOMY, COMMUNITY STRUCTURE & INTERACTION WITH ENVIRONMENTAL CONDITIONS, BOTH NATURAL & MAN INFLUENCED.
JORDAN DC : BIOLOGICAL NITROGEN FIXATION REGARDING RHIZOBIA LEGUMINOUS PLANT ASSOCIATION. SYSTEMATICS OF RHIZOBIUM AND BRADYRHIZOBIUM. CARBON-DIOXIDE FIXATION BY RHIZOBIA. POWDER TYPE LEGUME INOCULANTS.
KENDRICK WB : MYCOLOGY, ESPECIALLY MOLDS (HYPHOMYCETES). SYSTEMATICS, ECOLOGY, DEVELOPMENT.

TAILINGS

ABOUGUENDIA Z : REVEGETATION STUDIES OF LAND DISTURBED BY MINING ACTIVITIES (E.G. URANIUM TAILINGS, COAL SPOILS). ECOLOGICAL BASELINE STUDIES AND ENVIRONMENTAL-IMPACT-ASSESSMENT. RANGE ECOLOGY & PRODUCTIVITY. RESPONSE OF PLANTS TO AIRBORNE POLLUTANTS.
ALLEN EAD : PHYSIOLOGY OF AQUATIC PLANTS. USE OF PLANTS FOR DEWATERING INDUSTRIAL TAILINGS THROUGH EVAPOTRANSPIRATION.
BAWEJA AS : WATER-QUALITY GUIDELINES & CRITERIA; RADIOACTIVITY IN WATER; DISPOSAL OF RADIOACTIVE-WASTES, ESPECIALLY URANIUM TAILINGS & REACTOR SPENT FUEL; SOIL-CHEMISTRY & MINERALOGY; TROPICAL SOILS MANAGEMENT.
CHOMYN BA : GEOLOGY AND GEOCHEMISTRY OF DEEP ROCK DISPOSAL OF HIGH LEVEL RADIOACTIVE-WASTE; MAGNETIC SUSCEPTIBILITY, MEASUREMENTS RELATIVE TO ROCK COMPOSITION AT DEPTH. PREDICTION OF THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH URANIUM TAILINGS WITH TIME MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK BEING EXTENDED TO OTHER TYPES OF TAILINGS.
HEALE EL : DEVELOPMENT OF WOODY TREES AND SHRUBS ON TAILINGS; TRACE-ELEMENTS (ESPECIALLY NICKEL AND COPPER). EFFECTS ON VEGETATION; EXPERIMENTS UTILIZING WASTE GEOTHERMAL HEAT ENERGY FOR THE PRODUCTION OF GREENHOUSE VEGETABLE AND FORESTRY CROPS; INVESTIGATION, NEGOTIATION AND SETTLEMENT OF CLAIMS FOR VEGETATION DAMAGE.
JOHN RD : RESEARCH PROGRAM TO ASSIST GOVERNMENT & INDUSTRY TO ESTABLISH LONG-TERM CLOSE OUT STRATEGIES FOR URANIUM TAILINGS SITE INCLUDING DEVELOPMENT OF A PROBABILISTIC PREDICTIVE MODEL (UTAP).
RITCEY GM : PROCESS OF URANIUM AND BASE-METAL ORES WHERE THE ENVIRONMENTAL CONSIDERATIONS OF TAILINGS EFFLUENTS WERE CONSIDERED. RECENTLY DEVOTED TO URANIUM AND SULPHIDE TAILINGS, TO PREDICT THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH THE TAILINGS WITH TIME. MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK WILL BE EXTENDED TO MATERIALS TO INHIBIT OXIDATION.
ROBERTSON JA : POLICY ADVISOR TO MINISTRY OF NORTHERN DEVELOPMENT AND MINES ON MATTERS RELATING TO URANIUM. EXPLORATION, MINING RESERVES/RESOURCES, TAILINGS AND WASTE-DISPOSAL. GEOLOGY OF URANIUM DEPOSITS.
SALTER RS : STUDY OF MINE AND MILL EFFLUENT TAILINGS, SLURRIES AND WATERS. CYANIDE DESTRUCTION, HEAVY-METALS PRECIPITATION, SUSPENDED-SOLIDS REMOVAL.
SIROIS LL : ALL ASPECTS RELATED TO MINERAL INDUSTRY PROCESS EFFLUENTS: SLIDS (TAILINGS), LIQUIDS (EG. CYANIDE SOLUTIONS) & GASES (EG. AIRBORNE ARSENICAL FUMES). UNDERSTANDING THE PHENOMENA & DEVELOPING SYSTEMS TO REDUCE ENVIRONMENTAL-IMPACT.

TAINTING

NAISH VA : ENVIRONMENTAL-IMPACT-ASSESSMENT PARTICULARLY RELATED TO TOXICITY AND TAINTING OF AQUATIC COMMUNITIES AND TASTE OR ODOUR OF RECEIVING WATERS.

TAXONOMIC

AIKEN SG : AQUATIC PLANTS IN CANADA (WILD-RICE, ZIZANIA & WATER MILFOIL, MYRIOPHYLLUM) GRASSES, ESPECIALLY FESTUCA, IN NORTH AMERICA. COMPUTER GENERATION OF TAXONOMIC KEYS & DESCRIPTIONS IN FRENCH & ENGLISH. BEGINNING WORK ON THE FLORA OF THE CANADIAN HIGH ARCTIC ISLANDS.
EDGINGTON LV : TRANSLOCATION & FATE OF FUNGICIDES IN PLANTS & DEGRADATION IN SOIL. EFFICACY OF FUNGICIDES FOR CONTROL OF DISEASE. RELATION OF CHEMICAL STRUCTURE TO SELECTIVITY OF FUNGICIDES FOR CERTAIN TAXONOMIC GROUPS OF FUNGI.
PARMELEE JA : TAXONOMIC RESEARCH IN PARASITIC FUNGI (RUSTS, SMUTS AND MILDEWS) OF VASCULAR PLANTS. STUDIES INCLUDE REVIEWS ON GEOGRAPHIC DISTRIBUTION AND LIFE-HISTORIES. RELATED WORK INVOLVES CREATION OF THE NATIONAL MYCOLOGICAL HERBARIUM A COLLECTION OF 250,000 DRIED FUNGUS SPECIMENS OF IMPORTANCE TO AGRICULTURE AND FORESTRY.

TAXONOMIQUE

POULIN M : ETUDE TAXONOMIQUE PORTANT SUR LES DIATOMEES (BACILLARIOPHYCEAE) MARINES ET ESTUARIENNES DE L' EST DU CANADA. REVISION TAXONOMIQUE DES DIATOMEES ASSOCIEES AUX GLACE DE MER DE L' ARCTIQUE CANADIEN. ETUDE DU GENRE NAVICULA ET DE SES REPRESENTANTS EN SECTEUR CANADIEN.

TAXONOMY

BRODO IM : TAXONOMY OF LICHENS, ESPECIALLY THE GENUS LECANORA AND STUDIES ON THE LICHENFLORA OF CANADA, ESPECIALLY BRITISH-COLUMBIA, ONTARIO & QUEBEC. SYSTEMATIC STUDIES OF VASCULAR PLANTS, BRYOPHYTES, LICHENS & ALGAE (SPECIES OCCURRING IN CANADA & ELSEWHERE IN NORTHERN HEMISPHERE); FLORISTIC STUDIES OF THESE & RARE & ENDANGERED-PLANTS IN CANADA.
CRIPPEN RW : MARINE & ESTUARINE BENTHOS, ESPECIALLY POLYCHAETES, THEIR SYSTEMATICS & TAXONOMY, COMMUNITY STRUCTURE & INTERACTION WITH ENVIRONMENTAL CONDITIONS, BOTH NATURAL & MAN INFLUENCED.
DERMOTT RM : ENVIRONMENTAL-ASSESSMENT OF LAKE & STREAM INVERTEBRATE POPULATIONS. TAXONOMY OF LAKE BENTHIC INVERTEBRATES. FEEDING & GROWTH RATES.
DORE WG : TAXONOMY AND MORPHOLOGY OF GRAMINEAE. PHYTOGEOGRAPHY IN EASTERN NORTH-AMERICA. ABORIGINAL USES OF PLANTS. HISTORICAL CANADIAN BOTANY. FRESHWATER AQUATICS.
DUTHIE HC : ECOLOGY AND TAXONOMY OF PHYTOPLANKTON AND PERIPHYTON. RESERVOIR BIOLOGY AND MODELLING; ALGAL-SYSTEMATICS; PALEOLIMNOLOGY AND DIATOMS.
HARMS VL : TAXONOMY AND PHYTOGEOGRAPHY OF THE VASCULAR PLANT FLORA OF SASKATCHEWAN AND ADJACENT REGIONS. PHYTOGEOGRAPHY OF SASKATCHEWAN RARE PLANTS. TAXONOMY OF HETEROTHECA (COMPOSITAE), (SPARGIANACEAE), PETASITES (COMPOSITAE), AND NORTHERN PLAINS GRASSES, (GRAMINEAE) AND ORCHIDS (ORCHIDAICEA).
IRELAND RR : TAXONOMY OF THE MOSSES, THE DICRANACEAE, HYPNACEAE, PLAZIOTHECIACEAE & STEREOPHYLLACEAE.
LESLIE JK : LARVAL FISH-ECOLOGY; TAXONOMY, DEVELOPMENT OF SAMPLING TECHNIQUES.
WHITNEY NJ : MARINE FUNGI: TAXONOMY; METABOLIC PRODUCTS FROM INTERFERENCE COMPETITION; FUNGAL ECOLOGY IN THE MARINE-ENVIRONMENT; ANTIBIOTIC-COMPOUNDS FROM MARINE FUNGI; FUNGAL DISEASES OF FISH. FOREST FUNGI: EPIPHYTIC & ENDOPHYTIC FUNGAL METABOLITES TOXIC TO SPRUCE-BUDWORM. PLANT PATHOLOGY: NEEDLE-CASTS OF CONIFERS.

TEACHING

BOSTON NEJ : PHYSICAL OCEANOGRAPHY; AIR & SEA INTERACTION AND TURBULENCE; MICROMETEOROLOGY OIL-SPILL CONTINGENCY-PLANNING; PLANNING AND EXECUTION OF INTERNATIONAL RESEARCH PROGRAMS: TEACHING OF UNDERGRADUATE GRADUATE OCEANOGRAPHY COURSES; DEVELOPMENT OF OCEANOGRAPHY PROGRAMS FOR DEVELOPING-COUNTRIES AND UNIVERSITIES. RESOURCE DATA-BASE DEVELOPMENT. COMPUTERIZED RESOURCE & SENSITIVITY-MAPPING.
EBERHARD JJ : CANOEIST'S MANUAL FOR PROMOTION OF ENVIRONMENTAL & ETHICAL CONCERNS IS GEARED TOWARDS DEVELOPING GUIDELINES FOR: MINIMAL IMPACT CAMPING, CONTACT WITH ANIMALS AND OTHER USER GROUPS; TEACHING MINIMAL IMPACT CAMPING STOVES VS FIRES & SUGGESTIONS FOR POLITICAL ADVOCACY WHILE CANOEING.
LAKSHMINARAYANA JSS : BIOLOGICAL LIMNOLOGY & OCEANOGRAPHY; POLLUTION, WATER-QUALITY, ALGAE, PHYTOPLANKTON, PRODUCTIVITY. TEACHING, SCIENTIFIC RESEARCH & DEVELOPMENT: COASTAL, MARINE & FRESHWATER ENVIRONMENT.
MANKIEWICZ E : MICROBACTERIA: DIAGNOSIS OF INFECTIONS, TREATMENT, CLASSIFICATION OF MICROORGANISMS, PHAGETYPING FUNGI: DEEP MYCOTIC INFECTIONS. SEXUALLY-TRANSMITTED DISEASES: ORGANIZATION OF OUT PATIENT CLINICS, MICROBIOLOGICAL DIAGNOSIS, TREATMENT, PREVENTION (TEACHING).
SIMKIN D : WILDLIFE ADMINISTRATION, POLICY AND PROGRAM DEVELOPMENT, RESEARCH AND TECHNOLOGY TRANSFER, LEGISLATION, ENFORCEMENT, USER TRAINING (FIREARM SAFETY, HUMANE-TRAP DEVELOPMENT, TEACHING, NATURALIST TRAINING), ORGANIZATIONAL STRATEGIES, COMMUNICATION WITH PUBLIC.

TECHNOLOGY-TRANSFER

ARMIT RE : GRANTS AND CONTRACTS ADMINISTRATION ON CAMPUS. TECHNOLOGY-TRANSFER AGREEMENTS.
HALL RJ : LARGE-SCALE PHOTOGRAPHY & DIGITAL IMAGE ANALYSIS RESEARCH, PHOTO-MENSURATION, AERIAL-PHOTOGRAPHY SYSTEMS & INSTRUMENTATION DEVELOPMENT (EG. CAMERA CONTROL), STATISTICAL & SAMPLING DESIGN & ANALYSIS. AERIAL PHOTO FLIGHT PLANNING, TECHNOLOGY-TRANSFER.
LANZ HE : ANALYTICAL METHOD DEVELOPMENT. ENVIRONMENTAL ANALYSES. TECHNOLOGY-TRANSFER. OCEANIC POLLUTANTS (RESIN ACIDS, CHLORINATED ORGANIC BIOACCUMULATION).
LAPP PA : REMOTE-SENSING: AIRCRAFT & SATELLITE. SCIENCE POLICY, INDUSTRIAL STRATEGIES, TECHNOLOGY-TRANSFER. SENSOR-SYSTEMS, INSTRUMENTATION.
SINGLETON GA : ACID-DEPOSITION: EFFECTS ON FORESTED SYSTEMS; RECLAMATION OF DISTURBANCES FROM SURFACE MINING, OIL-SANDS DEVELOPMENT & OIL & GAS INDUSTRIES; BIOTECHNOLOGY, RESOURCE INVENTORY & TECHNOLOGY-TRANSFER; GEOSCIENCE INVESTIGATIONS. TERRESTRIAL BASED RESEARCH.
WINTER P : BIOMASS ENERGY DATA-BASES. BIOMASS. FUTURE TRENDS OF BIOMASS ENERGY. IMPACT OF TECHNOLOGY-TRANSFER. SOCIAL PSYCHOLOGICAL IMPACTS OF RENEWABLE-ENERGY.

TELEDETECTION

FORTIN JP : HYDROLOGIE; HYDROMETEOROLOGIE; PRECIPITATION; PLUIE; NEIGE; RUISSELLEMENT; DEBIT; ECOULEMENT; PHYSIOGRAPHIE; RIVIERE; BASSIN VERSANT; CRUE; INONDATION; TELEDETECTION EAU; SATELLITE EAU; INTEGRATION DES DONNEES; STATISTIQUE HYDROLOGIE; GESTION-EAU; PLANIFICATION-EAU; PREVISION EAU; DECISION EAU; PROTECTION EAU; CONTROLE-EAU; MODELE HYDROLOGIQUE; CEQUEAU MODELE; MODELE DETERMINISTE MAILLE-CARREAU; MODELE D AJUSTEMENT; PREVISION HYDROLOGIQUE; PREVISION ECOULEMENT; PREVISION TEMPS REEL; RESEAU HYDROLOGIQUE; PLUVIOMETRE; RADAR HYDROLOGIE; STATION-PLUVIOMETRIQUE; RESEAU RADAR METEOROLOGIE; PRECIPITATIONS-ACIDES; POLLUANTS-ATMOSPHERIQUES; TRANSPORT-A-LONGUE-DISTANCE; MODELE STATISTIQUE; DIFFUSION UNIDIMENSIONNEL; ANISOTROPIE-SPATIALE.

FOUQUET G : TELEDETECTION DES DECHETS. ECOTOXICOLOGIE. AMENAGEMENT DES TERRITOIRES. ASSAINISSEMENT-EAU ET GENIE-MUNICIPAL.

GAGNON JY : ECOLOGIE VEGETALE. TELEDETECTION. ETUDES D' IMPACT-ENVIRONNEMENTAL. REVEGETATION DE SITES POLLUES. BIOACCUMULATION DE METAUX-LOURDS.

HARDY Y : PROTECTION DES FORETS CONTRE LES INSECTES ET LES MALADIES; EPIDEMIOLOGIE ET LES MOUVEMENTS DES POPULATIONS D'INSECTES AINSI QUE L'ETUDE DES CHAMPIGNONS-PATHOGENES. LA CULTURE DE SEMIS EN CONTENEURS. LA SYLVICULTURE DES RESINEUX ET DES FEUILLUES. LA TELEDETECTION. LA GENETIQUE.

PREVOST C : LA TELEDETECTION; L' AGRICULTURE ET LA TELEDETECTION (APPLICATION EN AFRIQUE). SURVEILLANCE DES RESSOURCES EN EAU SAHEL PAR TELEDETECTION.

TELEMETER

WILLIAMS PF : DEVELOPMENT OF MONITORING SYSTEMS TO OPERATE IN REMOTE & HARSH ENVIRONMENTS. ELECTRONICS TO MEASURE, PROCESS, STORE & TELEMETER ENVIRONMENTAL DATA VIA PHONE, RADIO AND SATELLITE.

TELEOSTS

BEAMISH FWH : ECOLOGY AND PHYSIOLOGY OF TELEOSTS AND CYCLOSTOMES. BIOENERGETICS AND NUTRITION OF SALMONIDS. SUBLETHAL EFFECTS OF XENOBIOTICS ON FISHES.

TELEREFERENCE

GODBOUT G : BIBLIOGRAPHIES; DOCUMENTATION; INFORMATION SCIENTIFIQUE; TELEREFERENCE; REFERENCE; RENSEIGNEMENT TECHNIQUE; BANQUE-BIBLIOGRAPHIQUE AUTOMATISEE; ENVIRONNEMENT EAU; RESSOURCE EAU; ENVIRONNEMENT-AQUATIQUE; EAU RESSOURCE; ECOLOGIE EAU; ECOLOGIE-AQUATIQUE; HYDROLOGIE; LIMNOLOGIE; ASSAINISSEMENT-EAU; TRAITEMENT-EAUX-USEES.

NOBREGA G : DOCUMENTATION, RENSEIGNEMENT, TELEREFERENCE EN ENVIRONNEMENT. PRODUCTEUR DE LA BANQUE-BIBLIOGRAPHIQUE AUTOMATISEE ENVIRONMENTALE SUR L' INVENTAIRE BIOPHYSIQUE DU QUEBEC. RESPONSABLE CENTRE DE DOCUMENTATION.

TEMPERATURE

DICKISON RBB : CHANGES IN WATER AND ENERGY BALANCES, STREAMFLOW REGIME AND SNOW-COVER AFTER FOREST HARVESTING ARE BEING RESEARCHED AS PART OF THE NASHWAAK EXPERIMENTAL WATERSHED PROJECT. THE INFLUENCE OF LOW-LEVEL TEMPERATURE INVERSIONS AND LAPSE RATES ON THE EFFICACY OF AERIAL SPRAYS ARE BEING STUDIED IN CONJUNCTION WITH THE NEW-BRUNSWICK SPRAY EFFICACY RESEARCH GROUP.

DIONNE JL : RECHERCHES EN FERTILITE DES SOLS. ETUDES DES INTERACTIONS ENTRE LES ELEMENTS-NUTRITIFS ET LE PH DES SOLS, LA TEMPERATURE ET L' HUMIDITE DES SOLS.

HOUSTON AH : RESPIRATORY ADAPTATIONS TO TEMPERATURE AND OXYGEN AVAILABILITY, HEMOGLOBIN OXYGEN AFFINITY MODULATORS, EFFECTS OF WATERBORNE POLLUTANTS ON ADAPTIVE CAPABILITY.

INNISS WE : MICROBIAL PHYSIOLOGY AND ENVIRONMENTAL MICROBIOLOGY PSYCHROTROPHIC AND PSYCHROPHILIC MICROORGANISMS. EFFECTS OF TEMPERATURE ON MICROORGANISMS. MICROBIAL DEGRADATION. EFFECT OF TOXICANTS ON MICROORGANISMS. SEDIMENT MICROBIOLOGY.

KARIM GA : COMBUSTION & FLAME RESEARCH INCLUDING AIR-POLLUTION FROM COMBUSTION DEVICES WITH SPECIAL ATTENTION TO COLD TEMPERATURE PROBLEMS.

KRUEGER RR : URBANIZATION OF FRUITLANDS (OKANAGAN-VALLEY, BRITISH-COLUMBIA & NIAGARA-FRUIT-BELT). RESPONSE OF QUEBEC ORCHARD-INDUSTRY TO LOW TEMPERATURE HAZARD.

KWAIN W : THE EFFECTS OF ENVIRONMENTAL FACTORS ON THE SURVIVAL OF FISHES. INCUBATION AND GROWTH, SUCH AS TEMPERATURE, ACID AND HEAVY-METALS, ESPECIALLY TO THEIR EARLY LIFE-HISTORY.

LE BLANC JPR : POPULATION ECOLOGY; EFFECTS OF TEMPERATURE ON THE PREDATORY PHYTOSEIID-MITES ON APPLE. SOIL ARTHROPODS SURVEY & RELATIONSHIP TO SOIL-FERTILITY. INTEGRATED PEST-MANAGEMENT PROGRAMS OF AGRICULTURAL PESTS, PRIMARILY TRAPPING & MONITORING TECHNIQUES. CURATOR OF THE ENTOMOLOGICAL COLLECTIONS.

LECLERC M : LAC: CIRCULATION; PHYSIQUE; LAC STRATIFICATION TEMPERATURE; LAC TURBULENCE; LAC BUDGET; BILAN; EQUILIBRE; TURNOVER LAC; LIMNOLOGIE PHYSIQUE.;

TEMPERATURE

LEDUC G : AQUATIC TOXICOLOGY. ACUTE AND LONG-TERM TOXICITY OF CYANIDE TO FISH. GROWTH, SWIMMING, OSMOREGULATION, ETC. EFFECTS OF MODIFYING FACTORS OF TOXICITY: TEMPERATURE, SIZE OF FISH, CURRENT OF WATER, ETC. MODE OF ACTION AND DETOXIFICATION OF CYANIDE. BIOACCUMULATION OF THIOCYANIDE. EFFECTS ON THYROID-GLAND AND RELATED FUNCTIONS.
MACKAY WC : ENVIRONMENTAL PHYSIOLOGY OF FISH PARTICULARLY ENERGETICS (SWIMMING, GROWTH, REPRODUCTION) OF TEMPERATE FRESHWATER FISH. FACTORS WHICH AFFECT GROWTH RATE INCLUDING LATITUDE, TEMPERATURE, COMPETITION. REPRODUCTIVE STRATEGIES.
MUNZ RJ : ELECTROSTATIC-PRECIPITATION. HIGH TEMPERATURE GAS SOLID SEPARATION. THERMAL PLASMA PROCESSING.
OAKY NS : OCEANOGRAPHY: STUDIES OF TURBULENT MIXING PROCESSES IN THE OCEAN; MEASUREMENT, ANALYSIS & PUBLICATION OF RESULTS ON LEVELS OF MICROSTRUCTURE OF VELOCITY & TEMPERATURE DESIGN OF INSTRUMENTS TO CARRY OUT STUDIES.
REYNOLDISON TB : USE OF OLIGOCHAETA AS INDICATORS OF TOXIC CONTAMINANT STRESS. THIS INVOLVES EXAMINATION OF INDIVIDUAL SPECIMENS FOR THE PRESENCE OF CHAETAL-DEFORMITIES. IDENTIFICATION OF THE ROLE OF TEMPERATURE & OXYGEN IN THE POPULATION-DYNAMICS OF OLIGOCHAETA IN LAKE ERIE.
ROBEY HL : INDUSTRIAL LIQUID AND SOLID WASTE-TREATMENT AND RECOVERY. WET AIR OXIDATION AND HIGH TEMPERATURE & PRESSURE CYANIDE HYDROLYSIS PROCESS APPLICATIONS RESEARCH. PROCESS DESIGN AND START-UP OF FULL SCALE SYSTEMS.
TIMUSK J : STUDY OF BUILDING MATERIALS, COMPONENTS, DETAILS & CONSTRUCTION METHODS WITH RESPECT TO MAINTENANCE OF INTERIOR TEMPERATURE & MOISTURE LEVELS & AVOIDANCE OF DETRIMENTAL BIOLOGICAL & CHEMICAL ACTIVITY, AGING & ENVIRONMENTALLY INDUCED DISTRESS IN BUILDINGS.
TODD ECD : FOOD BORNE DISEASE REPORTING & INVESTIGATION, COSTS OF FOOD BORNE DISEASE; SIGNIFICANCE OF TEMPERATURE FOR MICROBIAL GROWTH. PUBLIC HEALTH ASPECTS OF POULTRY PROCESSING, BARBECUED CHICKENS, CHEESE, CREAM PIES AND DONAIRS.
TSUCHIYA Y : ANALYSIS OF GASES AND VAPOURS RELEASED FROM BUILDING MATERIALS AT ROOM TEMPERATURE AND UNDER PYROLYSIS CONDITIONS. THE ANALYTICAL TOOLS USED ARE A GC/MS, MS/MS, HPLC AND IC

TENSIOACTIFS

DESNOYERS JE : PROPRIETES THERMODYNAMIQUES DES TENSIOACTIFS ET COTENSIOACTIFS, PROPRIETES DES EMULSIONS, DISPERSION DES HUILES DANS L' EAU DE MER, CARACTERISATION DES DISPERSANTS.

TERMITES

KEVAN DK : BIOSYSTEMATICS AND ECOLOGY OF ORTHOPTEROID INSECTS (LOCUSTS, GRASSHOPPERS, CRICKETS, COCKROACHES, TERMITES AND NEUROPTEROID INSECTS (LACEWING-FLIES) SOIL FAUNA STUDIES (ECOLOGY OF MICROARTHROPODS) AND MYRIAPODS RELEVANCE OF ENTOMOLOGICAL FOLKLORE AND CUSTOMS TO SCIENTIFIC ENTOMOLOGY.

TERRACOTTA

WEAVER ME : RESEARCH AND INVESTIGATION OF EFFECTS OF ATMOSPHERIC-POLLUTION ON CULTURAL HERITAGE RESOURCES AND THE BUILT ENVIRONMENT. MASONRY, STONE, BRICK, TERRACOTTA, BRONZES, STATUARY AND ARCHAEOLOGICAL SITES AND THEIR PROTECTION.

TERRES

JAOUICH A : TERRES AGRICOLES CONTRAINTES GENERALES. PROPRIETES PHYSIQUES, CHIMIQUES, BIOLOGIQUES. PROBLEMES DE TRAITEMENT DE DECHETS-AGRICOLES, INDUSTRIELS ET URBAINS. SYSTEMES DE TRANSPORT ET ENTREPOSAGE DE SUBSTANCES-INFLAMMABLES.

TERRESTRIAL

CHARNETSKI WA : RELATIONSHIP OF AERIAL & GROUND APPLICATION OF AGRICULTURAL SPRAYS TO INSECT-CONTROL & PLANT DENSITY TO CROP CANOPY PENETRATION ON ALFALFA & CEREALS. EVALUATION OF INSECTICIDES & THEIR SAFETY TO BENEFICIAL INSECTS INCLUDING LEAFCUTTER-BEES. INSECTICIDE RESIDUE DYNAMICS IN TERRESTRIAL & AQUATIC-ECOSYSTEMS.
DEFREITAS ASW : ENVIRONMENTAL TOXICOLOGY AND DOSIMETRY: BIOACCUMULATION OF HAZARDOUS-CHEMICALS BY TERRESTRIAL, AQUATIC AND AVIAN SPECIES: TRANSFER PROCESSES IN THE ENVIRONMENT. USE OF INDICATOR SPECIES.
DILLON P : EFFECTS OF ATMOSPHERIC-DEPOSITION ON AQUATIC-CHEMISTRY THROUGH THE USE OF THE CALIBRATED WATERSHED TECHNIQUE. A WIDE VARIETY OF BIOLOGICAL STUDIES AND TERRESTRIAL INVESTIGATIONS ARE ALSO COORDINATED AT THE CENTRE.
DUDAS MJ : BIOGEOCHEMISTRY OF TRACE-ELEMENTS, HEAVY-METALS, RADIOISOTOPES IN SOILS, PLANTS & TERRESTRIAL SYSTEMS; CLAY MINERALOGY; RESEARCH ON FLY-ASH LEACHATES, TOXIC INORGANICS IN THE ENVIRONMENT & CYCLING OF NOXIOUS HEAVY-METALS.
GIZYN WI : EFFECT OF ACIDIC-DEPOSITION ON TERRESTRIAL ENVIRONMENT. SURVEYS OF FOLIAR CHEMICAL COMPOSITION IN FOREST TREE SPECIES.

TERRESTRIAL

KERR DC : ENVIRONMENTAL-IMPACT-ASSESSMENT ON AQUATIC & TERRESTRIAL ENVIRONMENTS; WATER-QUALITY ASSESSMENT; WETLAND PRESERVATION. WATER-QUALITY INSTREAM COMPUTER-MODELLING; HYDRODYNAMIC-MODELLING; ENVIRONMENTAL-PLANNING & RESOURCE-MANAGEMENT.
KINGSBURY PD : ENVIRONMENTAL-IMPACT OF FORESTRY PESTICIDES IN TERMS OF EFFECTS ON FISH, AQUATIC INVERTEBRATE, SONGBIRD AND TERRESTRIAL INVERTEBRATE POPULATIONS AND THEIR ECOLOGICAL RELATIONSHIPS.
KNOWLES R : MICROBIOLOGICAL NITROGEN TRANSFORMATIONS IN THE ENVIRONMENT, INCLUDING N2-FIXATION, NITRIFICATION, DENITRIFICATION OF N OXIDES. AQUATIC AND TERRESTRIAL SYSTEMS.
MCILVEEN WD : ASSESSMENT OF ENVIRONMENTAL CONTAMINANT EFFECTS INCLUDING ACID-RAIN ON TERRESTRIAL SYSTEMS (VEGETATION & SOIL) FOR PURPOSES OF PROVINCIAL ABATEMENT STRATEGY. PRACTICAL FIELD & LABORATORY PROBLEM SOLVING RESEARCH.
SCOTT GW : RESEARCH INFORMATION ON ACID-RAIN: ATMOSPHERIC PROCESSES, AQUATIC EFFECTS (INCLUDES LAKE LIMING), TERRESTRIAL EFFECTS, SOCIO-ECONOMIC EFFECTS.
SINGLETON GA : ACID-DEPOSITION: EFFECTS ON FORESTED SYSTEMS; RECLAMATION OF DISTURBANCES FROM SURFACE MINING, OIL-SANDS DEVELOPMENT & OIL & GAS INDUSTRIES; BIOTECHNOLOGY, RESOURCE INVENTORY & TECHNOLOGY-TRANSFER; GEOSCIENCE INVESTIGATIONS. TERRESTRIAL BASED RESEARCH.
STILES DA : PESTICIDE-RESIDUE ANALYSIS BY FLAME SPECTROSCOPY, ALONG WITH OIL-SPILL DETERMINATIONS. CURRENT STUDIES ARE BEING APPLIED TO MARINE AND TERRESTRIAL ENVIRONMENTS.
SWANSON SM : RADIONUCLIDE ACCUMULATION IN THE AQUATIC AND TERRESTRIAL FOOD-CHAIN; EFFECTS OF LOW LEVEL RADIATION ON FISH POPULATIONS; SECONDARY PRODUCTIVITY IN AQUATIC-ECOSYSTEMS; AQUATIC BIOLOGY.
WEILER RR : PREPARATION OF SCIENTIFIC CRITERIA DOCUMENTS FOR STANDARDS DEVELOPMENT (MULTI-MEDIA). INCLUDES ASSESSMENT OF HEALTH. EFFECTS & EXPOSURE FOR HUMANS; EFFECTS ON TERRESTRIAL & AQUATIC-ECOSYSTEMS.
WIEBE K : AUTOMATING HYDROMETRIC DATA ACQUISITION THROUGH DEVELOPMENT OF ELECTRONIC DATA ACQUISITION SYSTEMS & APPROPRIATE SENSORS. TRANSMITTING THE RESULTANT DATA TO USERS VIA SATELLITE OR TERRESTRIAL BASED COMMUNICATION SYSTEMS.

TERRESTRIAL-ECOLOGY

EEDY W : DESIGN, MANAGEMENT AND COSTING OF MULTIDISCIPLINARY ENVIRONMENTAL-IMPACT STUDIES, MITIGATION OR CONTINGENCY-PLANNING TERRESTRIAL-ECOLOGY SURVEYS, HAZARDOUS-WASTE MANAGEMENT, RESOURCE ECONOMICS, END-USE PLANNING, AND PUBLIC-PARTICIPATION PROGRAMS.
ROWSELL JA : CONSULTANT IN TERRESTRIAL-ECOLOGY: BIOCHEMICAL DYNAMICS; REMOTE-SENSING DATA-ANALYSIS; PHYTOTOXICOLOGY; INDUSTRIAL WASTE-MANAGEMENT; LAND APPLICATION OF WASTES; ENVIRONMENTAL-IMPACT-ASSESSMENT; ECOLOGICAL LAND-CLASSIFICATION; PEATLAND BIOLOGY; FLORA, FAUNA SURVEYS.
SMYTHE LA : GENERAL ENVIRONMENTAL STUDIES RELATED TO AQUATIC-BIOLOGY, TERRESTRIAL-ECOLOGY, AIR-QUALITY, WATER-QUALITY AND NOISE.
VAN SETERS DA : ENVIRONMENTAL-IMPACT-ASSESSMENT. TERRESTRIAL-ECOLOGY. ENVIRONMENTAL-PLANNING. WATER-RESOURCES MANAGEMENT. CONTINGENCY-PLANNING.
WIKEN EB : TERRESTRIAL-ECOLOGY: ECOLOGICAL LAND-CLASSIFICATION, EVALUATION & MODELLING; LAND CAPABILITY RATING & SUITABILITY; ENVIRONMENTAL-ANALYSIS & MANAGEMENT. COORDINATION ACTIVITIES CONCERNING ACID-RAIN RESEARCH & ENVIRONMENTAL-IMPACT-ASSESSMENT IN AREAS CONCERNING LAND, WATER & WILDLIFE.
ZAMMUTO RM : RELATIONSHIPS AMONG VARYING ENVIRONMENTAL CONDITIONS AND LIFE-HISTORIES OF BIRD AND MAMMAL POPULATIONS IN MONTANE OR BOREAL AREAS. TERRESTRIAL-ECOLOGY, ZOOLOGY, SURVIVAL, WILDLIFE, NON-GAME, REPRODUCTION, ORNITHOLOGY, WEATHER, BIOMETEOROLOGY, BIOMETRICS, BOREAL, CLIMATE, CONSERVATION, METEOROLOGY, MAMMAL POPULATION.

TERRITOIRES

FOUQUET G : TELEDETECTION DES DECHETS, ECOTOXICOLOGIE. AMENAGEMENT DES TERRITOIRES, ASSAINISSEMENT-EAU ET GENIE-MUNICIPAL.
MINISTERE LOISIR CHASSE ET PECHE : PARCS ET TERRITOIRES FAUNIQUES, FAUNE, FLORE ET HABITATS. PLANIFICATION, GESTION, AMENAGEMENT, INFORMATION, LEGISLATION ENVIRONNEMENTALE, RECHERCHE.

TEXTILE

SLATER K : TEXTILE SCIENCE; HUMAN COMFORT. PUBLICATION LIST OF SOME 100 SCIENTIFIC PAPERS, BOOKS, ETC.

THERMAL

CRABBE RS : EFFECT OF ATMOSPHERIC THERMAL STABILITY ON DEPOSITION & WINDBORNE DRIFT OF AERIAL FOREST PESTICIDE SPRAYS.
DODD DJR : CONTROL OF GAS, LIQUID, SOLID-EMISSIONS FROM THERMAL & NUCLEAR GENERATING STATIONS IN ONTARIO. FOCUS ON FLY-ASH & ACID-GAS CONTROL SYSTEM WASTE-DISPOSAL LEACHING BEHAVIOUR. ACID-GAS CONTROL TECHNOLOGIES.

THERMAL

FRIEDRICH FD : PILOT SCALE RESEARCH & FULL SCALE DEMONSTRATION ON ATMOSPHERIC FLUIDIZED BED COMBUSTION TO UTILIZE HIGH ASH, HIGH SULPHUR FUELS (COAL, REFINING RESIDUES) FOR INDUSTRIAL STEAM OR THERMAL POWER.
HANSEN KJ : WASTE-MANAGEMENT RELATED TO FLUE-GAS DESULPHURIZATION AND AIR-POLLUTION FROM COAL FIRE THERMAL ELECTRICAL POWER STATIONS.
MUNZ RJ : ELECTROSTATIC-PRECIPITATION. HIGH TEMPERATURE GAS SOLID SEPARATION. THERMAL PLASMA PROCESSING.
NORTH H : REDUCTION OF THERMAL & CHEMICAL POLLUTION; LOW FREQUENCY CAVITATION PROCESSING; RESONANCE GRINDING COMMINUTION.
PALMER JHL : EXPERTISE IN AVALANCHE HAZARDS & PREDICTION, FROST ACTION, ICE FORCES ON STRUCTURES, ICE PROPERTIES, PERMAFROST ENGINEERING, SLOPE STABILITY, THERMAL REGIME OF SOIL. HEAD, GEOTECHNICAL SECTION.
SHEPPARD MI : SOIL MIGRATION & PLANT UPTAKE OF CHEMICAL & RADIOACTIVE-WASTES. COMPUTER MODELLING TO PREDICT SOIL RESIDENCE TIMES & LEACH RATES. PHYSICAL, CHEMICAL, THERMAL & RADIOLOGICAL CHARACTERIZATION OF SOILS.
THOMPSON JAJ : BIOGEOCHEMISTRY OF HEAVY-METALS RELATED TO INDUSTRIAL SOURCES: MINES, URBAN CENTRES. CHEMISTRY OF METAL BINDING PROTEINS. CHEMISTRY OF THERMAL VENT ORGANISMS.
TORRENUEVA AL : MONITORING ENVIRONMENTAL-IMPACT ASSOCIATED WITH CONSTRUCTION & OPERATION OF ELECTRIC GENERATING STATIONS (THERMAL, HYDRAULIC & NUCLEAR). NUCLEAR). RESEARCH ON THE EFFECTS OF ACID-DEPOSITION & OTHER AIR-POLLUTANTS ON BIOLOGICAL SYSTEMS. REVEGETATION OF ASH DISPOSAL AREAS.

THERMODYNAMIQUES

DESNOYERS JE : PROPRIETES THERMODYNAMIQUES DES TENSIOACTIFS ET COTENSIOACTIFS, PROPRIETES DES EMULSIONS, DISPERSION DES HUILES DANS L' EAU DE MER, CARACTERISATION DES DISPERSANTS.

THYROID-GLAND

LEDUC G : AQUATIC TOXICOLOGY. ACUTE AND LONG-TERM TOXICITY OF CYANIDE TO FISH. GROWTH, SWIMMING, OSMOREGULATION, ETC. EFFECTS OF MODIFYING FACTORS OF TOXICITY: TEMPERATURE, SIZE OF FISH, CURRENT OF WATER, ETC. MODE OF ACTION AND DETOXIFICATION OF CYANIDE. BIOACCUMULATION OF THIOCYANIDE. EFFECTS ON THYROID-GLAND AND RELATED FUNCTIONS.

TIDE

SKEY SGP : WEATHER AND SEA STATE FORECASTING (REAL TIME, 24 HRS/DAY/YEAR ROUND). METEOROLOGICAL MONITORING, FIELD STUDIES, NUMERICAL MODELLING, POLLUTION STUDIES, AGRICULTURAL AND WATER-RESOURCE STUDIES. OCEANOGRAPHIC CONSULTING, CURRENT, TIDE AND WAVE MEASUREMENTS AND ANALYSIS FROM SHALLOW WATER TO DEEP OCEAN.

TIMBER

BARKER DJ : PRACTICAL APPLICATIONS OF ECOLOGICAL CLASSIFICATION. SILVICULTURE PLANNING AND IMPLEMENTATION, INCLUDING REFORESTATION, STAND-TENDING AND REHABILITATION. WOOD RELATED INVENTORIES: BIOMASS; SAWN AND PULP PRODUCTS; FUELWOOD. FOREST-MANAGEMENT PLANNING; TIMBER YIELD ANALYSIS BY COMPUTER.
FORSTER RB : ASSESS THE PHYSICAL & ECONOMIC SUPPLY OF TIMBER RESOURCES IN CANADA BY REGION AND PROVINCES.
MELOCHE PH : FORINTEK CANADA CORP. IS A PRIVATE, NON-PROFIT RESEARCH AND DEVELOPMENT CORPORATION ACTIVELY ENGAGED IN ALL MAJOR SCIENTIFIC AND TECHNICAL DISCIPLINE RELATED TO WOOD PRODUCTS: SAWMILLING; SEASONING; MACHINING; COMPOSITE PRODUCTS; ADHESIVES; WOOD BASED ENERGY AND CHEMICALS; HOUSING MATERIALS SCIENCE; TIMBER ENGINEERING; WOOD PRESERVATION; FIRE RETARDANTS AND THE WOOD SCIENCES. ASSISTANCE AND EXPERT ADVICE ARE AVAILABLE TO FOREST PRODUCTS INDUSTRIES, GOVERNMENT AGENCIES, TRADE ASSOCIATIONS, CONSULTANTS, EQUIPMENT MANUFACTURERS, EDUCATIONAL INSTITUTIONS AND THE GENERAL PUBLIC.
SILVERSIDES CR : TIMBER HARVESTING (ENVIRONMENTAL-IMPACT) SHORT-ROTATION-FORESTRY ENERGY PLANTATIONS. ENERGY FROM BIOMASS AND OTHER RENEWABLES.

TIN

CARTY AJ : HEAVY-METAL POLLUTION IN THE ENVIRONMENT. BINDING OF HEAVY-METALS BY LIGANDS OF BIOLOGICAL SIGNIFICANCE. CHELATION-THERAPY FOR HEAVY-METALS. METHYLATION OF LEAD AND TIN IN THE ENVIRONMENT. SELENIUM PROTECTION AGAINST HEAVY-METALS.
DABEKA WR : ANALYSIS FOR TRACE-ELEMENTS, TOXIC ELEMENTS; LEAD CADMIUM, ARSENIC, TIN, FLUORIDE, MERCURY; FOOD DIETARY INTAKES; ANALYTICAL WATER. INSTRUMENTAL EXPERTISE: GRAPHITE FURNACE ATOMIC, ABSORPTION SPECTROMETRY.

TISSUE

BONGA JM : CONIFER TISSUE CULTURE. CONIFER CYTOLOGY.
GOYETTE DE : MARINE ENVIRONMENTAL-IMPACT-ASSESSMENT AND POLLUTION-CONTROL; INDUSTRIAL AND MUNICIPAL DISCHARGES, PACIFIC COAST. SPECIFIC STUDIES ON THE PHYSICAL, CHEMICAL AND BIOLOGICAL IMPACTS OF MINE-TAILINGS AND EFFLUENTS FROM PULP-MILLS; TISSUE TRACE-METALS; MONITORING AND REGULATION COMPLIANCE; ENVIRONMENTAL-IMPACT-ASSESSMENT; PORT & HARBOURS; BIOLOGICAL EFFECTS OF ORGANIC CONTAMINANTS AND URBAN WASTES.
LABAJ AB : WEED SCIENCE; PERENNIAL WEED CONTROL; PLANT NUTRITION; TISSUE CULTURING (STERILE CULTURE) OF PERENNIAL WEEDS. BIOTYPICAL STUDIES OF WEEDS; WEED PHYSIOLOGY.

TISSUES

AKHIAR H : SYNTHESIS, METABOLISM OF PESTICIDES (ORGANOPHOSPHATES, SYNTHETIC PYRETHROIDS) IN POULTRY AND FARM ANIMALS. DEVELOPMENT OF ANALYTICAL TECHNIQUES FOR DETERMINATION OF TRACES OF PESTICIDES AND METABOLITES IN MILK, URINE, FECES, EGGS AND TISSUES.
SHAH BG : MACRO MINERALS AND MICRO MINERALS. ANALYSIS OF IN FOODS AND TISSUES, BIOAVAILABILITY, METABOLISM, INTERACTIONS, ROLE IN CHRONIC HUMAN DISEASES.
WILLIAMS DT : DEVELOPMENT OF SAMPLING AND ANALYTICAL METHODS FOR ENVIRONMENTAL ORGANIC CONTAMINANTS. MONITORING OF ORGANIC CONTAMINANTS IN DRINKING-WATER, INDOOR-AIR AND HUMAN TISSUES. REMOVAL OF ORGANIC CONTAMINANT FROM DRINKING-WATER.

TISSUS

ARNAC M : CONTAMINATION D' ORGANISMES MARINS PAR LES METAUX. BIOACCUMULATION DET DISTRIBUTION DANS LES TISSUS ET LES ORGANES. ASSOCIATION AVEC LES PROTEINES SOLUBLES.

TOBACCO

CHENG HH : BIOLOGY, POPULATION-DYNAMICS, CHEMICAL AND BIOLOGICAL CONTROL OF INSECTS ATTACKING TOBACCO AND PEANUT CROPS; ASSESSMENT OF CROP LOSSES. WITHOUT THE USE OF INSECTICIDES. INTEGRATED PEST-MANAGEMENT FOR VEGETABLE AND FRUIT CROPS.
ROSA N : MONITORING OF RAIN PH FOR THE TOBACCO REGION OF SOUTHWESTERN ONTARIO TO ESTABLISH A REFERENCE POINT FOR CONTINUED MEASURE OF CHANGES AND EFFECTS UPON CROP PRODUCTION.

TOMATE

OUELLETTE GB : PATHOLOGIE VEGETALE (SPECIALITE FORESTIERE): FLETRISSEMENTS-FONGIQUES (ORME, TOMATE, AUBERGINE). RELATIONS HOTE-PATHOGENE AU MOYEN: TECHNIQUES MICROSCOPIE ELECTRONIQUE (TRANSMISSION ET BALAYAGE ET MICROANALYSE) & IMMUNOCYCYTOCHIMIQUES. DETECTION DE SUBSTANCES ANTIFONGIQUES OU TOXIQUES. MYCOLOGIE.

TOOTH

STEVENSON LS : MANGANESE NODULES ON OCEAN FLOOR; FLUORIDE CONTENT IN TOOTH MINERALS.

TOPOCLIMATOLOGIE

HUFTY A : TOPOCLIMATOLOGIE & RAYONNEMENT-SOLAIRE; CLIMATOLOGIE REGIONALE ET SYNOPTIQUE; ENSEIGNEMENT DE LA CLIMATOLOGIE.

TOPOGRAPHIC

DAUGHARTY DA : INFLUENCE OF FOREST COVER AND MESO-SCALE TOPOGRAPHIC CHARACTERISTICS ON SNOW COVER; INSTALLATION & MAINTENANCE OF METEOROLOGICAL & HYDROMETRIC INSTRUMENTATION, PROGRAMMING OF DATA LOGGERS. ENERGY BALANCE DETERMINATION IN A FORESTED ENVIRONMENT.
LOUIE RH : BIOPHYSICAL SURVEYS (SOILS, SURFICIAL GEOLOGY, VEGETATION, WILDLIFE HABITAT, CLIMATE), LAND USE IN BRITISH-COLUMBIA & APPLICATIONS FOR AGRICULTURE, FORESTRY, WILDLIFE, WATER, FISH & OTHER LAND USE PLANNING, ASSESSMENT AND MONITORING. BASE MAP PRODUCTION (TOPOGRAPHIC, PLANIMETRIC AND CADASTRAL). REMOTE-SENSING.

TOPONOMY

SANDILANDS RW : FIELD SURVEYS: OPERATIONS IN BRITISH-COLUMBIA COAST, WESTERN ARCTIC. MARITIME HISTORY: BRITISH-COLUMBIA, WESTERN ARCTIC & GREAT-LAKES. TOPONOMY IN COASTAL BRITISH-COLUMBIA. NATURAL-RESOURCE CHARTING; SURVEY POSITIONING; OFFSHORE MINERAL RESOURCE DEVELOPMENT.

TORDEUSE-DES-BOURGEONS-DE-L'EPINETTE

GABOURY G : L' UTILISATION DE PESTICIDES EN MILIEU FORESTIER DE MEME QUE LES ACTIVITES DE PRELEVEMENT DES RESSOURCES. LES POLLUANTS-ATMOSPHERIQUES ET LEURS EFFETS SUR LA FORET. DEVELOPPEMENT DE MOYENS DE LUTTE CONTRE LA TORDEUSE-DES-BOURGEONS-DE-L'EPINETTE (BIOESSAIS).

TOXIC

BERNHART AP : ENVIRONMENTAL-PLANNING AND ENGINEERING APPLYING A NEW METHOD OF POLLUTION-CONTROL WHEREBY ORGANIC & TOXIC POLLUTANTS ARE ABSORBED BY VEGETATIVE MATTER. CHANGING SOCIAL PATTERNS WHICH WILL POSITIVELY INFLUENCE THE ENVIRONMENT.

BOSSERT JA : EXPLOSIVE ATMOSPHERES CONSISTING OF GASES, VAPOUR AND DUSTS IN AIR; FIRE RESISTANCE OF MATERIALS USED IN CONFINED LOCATIONS (UNDERGROUND MINES), TOXIC EFFECTS OF DIESEL EXHAUST IN CONFINED LOCATIONS & DIESEL EXHAUST TREATMENT DEVICES.

CZUBA M : ENVIRONMENTAL INTERACTIONS OF HEAVY-METALS & TRACE-ELEMENTS AS THEY AFFECT PHYSIOLOGY, BIOCHEMISTRY & CELL ASSOCIATIONS OF PLANTS. STUDIES OF TOXIC EFFECTS TO DETERMINE MECHANISMS OF ACTION, ASSESS PRODUCTS PRODUCED & POSSIBLE ABATEMENT MEASURES. EVALUATE MODERATING EFFECTS OF MICROORGANISMS ON METAL ACTION IN HOST ORGANISM.

DABEKA WR : ANALYSIS FOR TRACE-ELEMENTS, TOXIC ELEMENTS; LEAD CADMIUM, ARSENIC, TIN, FLUORIDE, MERCURY; FOOD DIETARY INTAKES; ANALYTICAL WATER. INSTRUMENTAL EXPERTISE: GRAPHITE FURNACE ATOMIC, ABSORPTION SPECTROMETRY.

DOUGLAS VM : MANAGEMENT OF NEW CHEMICALS PROGRAM UNDER WHICH INDUSTRY MUST NOTIFY FEDERAL GOVERNMENT OF AN IMPORT OR MANUFACTURE OF A NEW CHEMICAL: HAZARD ASSESSMENT SPECIALIST PROGRAM DEVELOPMENT, TOXIC POLICY REVIEW & DEVELOPMENT, COORDINATION OF CRITERIA DEVELOPMENT, DEVELOPMENT OF REGULATION.

DUDAS MJ : BIOGEOCHEMISTRY OF TRACE-ELEMENTS, HEAVY-METALS, RADIOISOTOPES IN SOILS, PLANTS & TERRESTRIAL SYSTEMS; CLAY MINERALOGY; RESEARCH ON FLY-ASH LEACHATES, TOXIC INORGANICS IN THE ENVIRONMENT & CYCLING OF NOXIOUS HEAVY-METALS.

FOSTER AB : STUDY OF TOTAL SUSPENDED PARTICULATE, DEVELOPMENT & UTILIZATION OF NEW FILTER MEDIUM SUCH AS POLYSTRENE & POLYFLUOROHYDROCARBON MATERIALS. TOXIC METALS IN TSP AND SETTLEABLE PARTICULATE.

HARA TJ : PHYSIOLOGICAL, BIOCHEMICAL, MORPHOLOGICAL & BEHAVIORAL STUDIES ON CHEMORECEPTION IN FISH; ITS ROLE IN MIGRATION & REPRODUCTION; ITS APPLICATION TO FISHING & AQUACULTURE; & ITS INTERACTIONS WITH TOXIC CHEMICALS & ACID-PRECIPITATION.

INSTITUTE FOR ENVIRONMENTAL STUDIE : ENVIRONMENTAL-MANAGEMENT INCLUDING ENVIRONMENTAL PERCEPTION, GREAT-LAKES ECOSYSTEMS REHABILITATION, CLIMATE IMPACT-ASSESSMENT IMPACT OF THIRD-WORLD URBANIZATION, RISK-ASSESSMENT, IMPACTS OF ACID-RAIN AND METALS ON BIOLOGICAL SYSTEMS, MODELLING PATHWAYS OF TOXIC SUBSTANCES, ENVIRONMENTAL-TOXICOLOGY.

JONES PH : STUDY, DESIGN AND OPERATION OF BIOLOGICAL WASTEWATER-TREATMENT, SOLID-WASTE MANAGEMENT, TOXIC AND HAZARDOUS-CHEMICALS, CHEMICAL-ACCIDENTS, ENVIRONMENTAL HEALTH IMPACT-ASSESSMENT. BIOLOGICAL REMOVAL ON PHOSPHORUS AND NITROGEN.

LAHAM S : INHALATION TOXICOLOGY (INDUSTRIAL/OCCUPATIONAL/ ENVIRONMENTAL). METABOLISM OF TOXIC AND CARCINOGENIC SUBSTANCES. PRODUCT SAFETY TOXICOLOGY. INDOOR-AIR QUALITY TOXICOLOGY. CHEMICAL CARCINOGENESIS. NEUROTOXICOLOGY.

MARKO AM : BIOLOGICAL EFFECTS OF RADIATION & OTHER TOXIC AGENTS. ENVIRONMENTAL PATHWAYS OF MOVEMENT OF RADIOACTIVITY & TOXIC-CHEMICALS & METABOLISM. METABOLIC MODELLING OF RADIONUCLIDES & CHEMICALS & THEIR DOSIMETRY.

MORRISON IK : RESEARCH INTO EFFECTS OF ACID-RAIN ON FOREST BIOGEOCHEMISTRY, ESPECIALLY EFFECTS ON FOREST PRODUCTIVITY; RESEARCH INTO SOIL CHEMICAL CHANGES EFFECTED BY ACID-RAIN ARTIFICIALLY SUPPLIED; EFFECTS OF TOXIC HEAVY-METALS ON VEGETATION GROWTH.

PANT BC : PARTICULATE AND GAS FILTRATION SYSTEMS TO ELIMINATE POLLUTANTS SUCH AS CORROSIVE, ODOUROUS AND TOXIC GASES FROM WORK PLACE ENVIRONMENT.

PETERSON RH : PHYSIOLOGICAL RESPONSES OF EARLY LIFE STAGES OF FISH TO LOW PH & ASSOCIATED TOXIC METALS; STRESSING INTERFERENCE WITH HATCHING, ION ACCUMULATION & AVOIDANCE. MONITORING OF LATE RESPONSES TO PH CHANGE.

POLAND JS : ANALYSIS OF TRACE-METALS AND TOXIC ORGANIC-COMPOUNDS IN THE ENVIRONMENT. ENVIRONMENTAL-HEALTH AND SAFETY AND RELATIONSHIPS BETWEEN TRACE-ELEMENTS AND HEALTH AND NUTRITION.

RAMALHO RS : WASTEWATER-TREATMENT PROCESSES. REMOVAL OF TOXIC ELEMENTS OR COMPOUNDS FROM WASTEWATERS BY ADSORPTION PROCESSES. ANAEROBIC-WASTEWATER-TREATMENT OF HIGH BOD BY UPFLOW ANAEROBIC SLUDGE-BLANKET REACTORS.

RAO SS : MICROBIOLOGICAL WATER-QUALITY OF GREAT LAKES & ACID-STRESSED LAKES. MICROBIAL BIODEGRADATION. MICROBIAL TOXICITY SCREENING. MICROBIOLOGY OF SEWAGE. INDUSTRIAL-WASTES. MICROBES & ENVIRONMENTAL STRESS. DIAGNOSTIC ENTERIC BACTERIOLOGY. TOXIC METAL, MICROBES ASSOCIATION. ACTIVATED SLUDGE & VITAMIN B12.

REYNOLDISON TB : USE OF OLIGOCHAETA AS INDICATORS OF TOXIC CONTAMINANT STRESS. THIS INVOLVES EXAMINATION OF INDIVIDUAL SPECIMENS FOR THE PRESENCE OF CHAETAL-DEFORMITIES. IDENTIFICATION OF THE ROLE OF TEMPERATURE & OXYGEN IN THE POPULATION-DYNAMICS OF OLIGOCHAETA IN LAKE ERIE.

SHINDLER DB : SCIENTIFIC POLICY ADVICE ON BIOTECHNOLOGY & SAFETY REGULATIONS CONCERNING ENVIRONMENTAL & LARGE-SCALE APPLICATIONS. EXPERTISE IN MICROBIOLOGY, LIMNOLOGY, BIOLOGICAL MONITORING OF TOXIC SUBSTANCES, WATER-QUALITY, LAKE ALGAL-BLOOMS & EUTROPHICATION, AQUATIC ALGAE & MACROPHYTES, BACTERIAL PHYSIOLOGY & BIOCHEMISTRY, ENZYMOLOGY. COORDINATOR OF CANADA'S NATIONAL BIOTECHNOLOGY STRATEGY.

TOXIC

SLY PG : GEOLOGY OF LARGE LAKE SYSTEMS. SEDIMENT WATER INTERACTIONS INCLUDING TOXIC & NUTRIENT CONTAMINANTS. DREDGING & MATERIAL DISPOSAL. SEDIMENT EROSION. DEPOSITION & TRANSPORT. AQUATIC HABITATS & SEDIMENT BIOTA (INVERTEBRATE & FISH) INTERACTIONS.
STAVRIC B : MUTAGENS (TOXICANTS) IN FOODS: NATURALLY OCCURING OR INTRODUCED THROUGH MAN-MADE AGRICULTURAL CHEMICALS. BIO-ANALYTICAL PROCEDURES IN INTERPHASING STANDARD CHEMICO-ANALYTICAL METHODS WITH BIOASSAYS FOR DETECTING TOXIC (MUTAGENIC) COMPONENTS OF METABOLICS IN COMPLEX MATRICES (FOODS).
TRENHOLM HL : TOXICOLOGY OF MYCOTOXINS IN ANIMAL FEEDS FOR LIVESTOCK AND POULTRY. METABOLISM OF MYCOTOXINS. DETOXIFICATION OF NATURAL CONTAMINANTS & TOXIC RESIDUES IN ANIMAL PRODUCTS.
WHITE AW : MARINE PLANKTON ECOLOGY. PHYSIOLOGY. TOXICOLOGY. TOXIC PLANKTON BLOOMS. PARALYTIC SHELLFISH-POISONING. EFFECTS OF TOXIC RED-TIDES ON SHELLFISH AND FINFISH RESOURCES. FATE AND CONSEQUENCES OF MARINE TOXINS IN FOOD-WEBS.
WHITNEY NJ : MARINE FUNGI: TAXONOMY; METABOLIC PRODUCTS FROM INTERFERENCE COMPETITION; FUNGAL ECOLOGY IN THE MARINE-ENVIRONMENT; ANTIBIOTIC-COMPOUNDS FROM MARINE FUNGI; FUNGAL DISEASES OF FISH. FOREST FUNGI: EPIPHYTIC & ENDOPHYTIC FUNGAL METABOLITES TOXIC TO SPRUCE-BUDWORM. PLANT PATHOLOGY: NEEDLE-CASTS OF CONIFERS.
WONG SL : ASSESS THE IMPACT OF TOXIC SUBSTANCES ON BIOTA IN BOTH SURFACE-WATERS & INDUSTRIAL WASTEWATERS USING ASSAY TECHNIQUES WITH ALGAE & ZOOPLANKTON AS TEST ORGANISMS.

TOXIC-WASTE

BARNARD JW : DEVELOPMENT OF COMPUTER MODELS OF THE BIOSPHERE TO ASSIST IN ENVIRONMENTAL & SAFETY ASSESSMENT OF RADIOTOXIC & CHEMICALLY TOXIC-WASTE DISPOSAL. PATHWAYS ANALYSES. IMPACT STATEMENTS & ENVIRONMENTAL SCREENING DOCUMENTS FOR WASTE STORAGE & DISPOSAL. LICENSING OF NEW FACILITIES.
ESPLIN GJ : DEVELOPMENT OF A NEW PROCESS FOR ACID-RAIN NEUTRALIZATION (LABORATORY KINETIC STUDIES). AIR-POLLUTION MONITORING & CONTROL TECHNOLOGIES. TOXIC-WASTE INCINERATION. BIOMASS GASIFICATION. NEW COMBUSTION TECHNOLOGY.
GALE JE : GROUNDWATER FLOW SYSTEMS IN FRACTURED AND FRACTURED POROUS MEDIA BASED ON FIELD AND NUMERICAL MODELLING STUDIES. PROJECTS INCLUDE (A) DEWATERING IN FRACTURED ROCK MASSES; (B) HYDROGEOLOGY OF FRACTURED ROCKS AS APPLIED TO MINERAL EXPLORATION AND TOXIC-WASTE DISPOSAL; (C) MEASURED VERSUS COMPUTED FRACTURE POROSITY, AND (D) CHARACTERIZING THE GEOMETRY AND MECHANICAL PROPERTIES OF FRACTURE SYSTEMS.
HRUDEY SE : INDUSTRIAL WASTE-MANAGEMENT. PETROLEUM. ORGANIC CHEMICAL. OIL-SANDS. FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION CONTROL; WATER RECLAMATION AND REUSE; HAZARDOUS TOXIC-WASTE. MANAGEMENT. DISPOSAL; INDUSTRIAL BIOTECHNOLOGY; ANAEROBIC TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT; RISK-ASSESSMENT; HAZARD IDENTIFICATION CONTROL.

TOXICANTS

INNISS WE : MICROBIAL PHYSIOLOGY AND ENVIRONMENTAL MICROBIOLOGY PSYCHROTROPHIC AND PSYCHROPHILIC MICROORGANISMS. EFFECTS OF TEMPERATURE ON MICROORGANISMS. MICROBIAL DEGRADATION. EFFECT OF TOXICANTS ON MICROORGANISMS. SEDIMENT MICROBIOLOGY.
KHACHATOURIANS GG : ASSESSMENT OF MICROBIAL TOXINS FOUND IN THE ENVIRONMENT. WORK ON MYCOTOXINS T-2. VOMITOXIN. BACILLUS THURINGIENSIS. DELTA TOXIN & ENTEROTOXINS ON INVERTEBRATES IN NATURAL ENVIRONMENTS. ANALYSIS OF POTENTIAL ENVIRONMENTAL TOXICANTS BY MICROBIAL MUTAGENICITY TESTS. EPIDEMIOLOGY OF ENTEROTOXIGENIC E.-COLI IN HUMAN & ANIMAL ENVIRONMENTS. PERSISTANCE OF MICROBIAL INSECTICIDES IN THE AGRICULTURAL ENVIRONMENT.
MCKEOWN BA : ENVIRONMENTAL TOXICANTS OF FISH. HEAVY-METALS (ZINC. MERCURY. ALUMINUM). OIL. OIL DISPERSANTS. PESTICIDES. ACID-PRECIPITATION.
SPRAGUE JB : WATER-POLLUTION BIOLOGY. EFFECTS OF TOXICANTS. ESPECIALLY METALS. ON AQUATIC ORGANISMS.
STAVRIC B : MUTAGENS (TOXICANTS) IN FOODS: NATURALLY OCCURING OR INTRODUCED THROUGH MAN-MADE AGRICULTURAL CHEMICALS. BIO-ANALYTICAL PROCEDURES IN INTERPHASING STANDARD CHEMICO-ANALYTICAL METHODS WITH BIOASSAYS FOR DETECTING TOXIC (MUTAGENIC) COMPONENTS OF METABOLICS IN COMPLEX MATRICES (FOODS).

TOXICITE

BIENVENUE M : DETERMINATION DE LA TOXICITE D' EFFLUENTS ET DECHETS-DANGEREUX. DEVELOPPEMENT ET EVALUATION DE SYSTEME DE TRAITEMENT D' EFFLUENTS LIQUIDES ET SOLIDES. RECHERCHE SUR LA VALIDITE ET LA PERTINENCE DES METHODES D' EVALUATION. MESURE DE LA QUALITE DE L' AIR AMBIANT ET AU MILIEU DE TRAVAIL.
BRODEUR J : TOXICOLOGIE INDUSTRIELLE ET ENVIRONNEMENTALE: TOXICITE ET METABOLISME DES SOLVANTS AROMATIQUES ET ALIPHATIQUES-HALOGENES; TOXICITE ET METABOLISM DES METAUX TOXIQUES (PLOMB, CADMIUM, MERCURE).
COTE R : ETUDES DE LA TOXICITE DES REJETS-INDUSTRIELS SUR L' ECOPHYSIOLOGIE DES POPULATIONS PLANCTONIQUES (PHYTOPLANCTON ET ZOOPLANCTON).
COUILLARD D : ASSAINISSEMENT-EAU; EPURATION-EAU; TRAITEMENT-EAUX-USEES; EAUX-USEES; EFFLUENT; RUISSELLEMENT URBAIN; RUISSELLEMENT MUNICIPALITE; BIOINDICATEUR EAU; TOXICITE EAUX-USEES.

TOXICITE

PANISSET JC : TOXICOLOGIE INDUSTRIELLE ET AGRICOLE, TOXICITE DE PESTICIDES, MEDICAMENTS VETERINAIRES ANTIBIOTIQUE ET TRANSFERT DE L'ANTIBIO RESISTANCE DE L' ANIMAL A L'HOMME. BIOSECURITE ET BIOTECHNOLOGIES NOUVELLES.
VAN COILLIE R : CHEMINEMENT ET TOXICITE SOUS-LETALE DES METAUX-LOURDS ET DES PESTICIDES DANS L' ENVIRONNEMENT-AQUATIQUE ET TERRESTRE REPERCUSSIONS DES PLUIES-ACIDES SUR LA FAUNE AQUATIQUE ECOTOXICOLOGIE DES DEPOTOIRS, BIOTECHNOLOGIES ENVIRONNEMENTALES.

TOXICITY

BANAS WP : AQUATIC TOXICOLOGY & CHEMICAL FATE INVESTIGATIONS. TOXICITY TESTING OF INDUSTRIAL EFFLUENTS (PULP & PAPER, MINING, STEEL MANUFACTURING). DEVELOPMENT OF A WATER-QUALITY AQUATIC ENVIRONMENT. TOXICITY OBJECTIVE REGARDING ALUMINUM IN THE EVALUATIONS OF PESTICIDES (ORGANOCHLORINE & ORGANOPHOSPHATE) & HEAVY-METALS USING RAINBOW-TROUT IN FLOW THROUGH & STATIC BIOASSAYS.
BETTS JL : PULP-AND-PAPER EFFLUENT TOXICITY. PULP-AND-PAPER POLLUTION ABATEMENT TECHNOLOGY.
CASORSO DR : PATHOLOGICAL EXAMINATION OF TOXICITY STUDIES IN LABORATORY ANIMALS. R&D IN DRUGS & PESTICIDES (LATIN-AMERICA, OCEANA, AFRICA). SAFETY & EFFICACY EVALUATION OF NEW DRUGS. FEED ADDITIVE DEVELOPMENT, SAFETY, EFFICACY. VETERINARY PARASITOLOGY. AVIAN PATHOLOGY.
CHAU YK : STUDIES ON FORMATION, FATE & TOXICITY OF ORGANOMETALS IN THE ENVIRONMENT SUCH AS ALKYLEAD ORGANOTIN COMPOUNDS. DEVELOPMENT OF SENSITIVE & SPECIFIC TECHNIQUES FOR SPECIATION OF ORGANOMETALS. INTEGRATION OF METALS & ORGANICS IN AQUATIC SYSTEMS.
DAINTY ED : DEVELOPMENT OF DIESEL EMISSION REDUCTION DEVICES FOR USE ON UNDERGROUND MINING VEHICLES (SUCH AS FILTERS AND SCRUBBERS), PROMOTION OF RATIONAL DIESEL EMISSIONS TOXICITY CRITERION FOR UNDERGROUND VENTILATION PRESCRIPTION, AND PROMOTION OF THIS CRITERION (AIR-QUALITY INDEX; AQI) FOR RATIONAL SELECTION OF ENGINES AND REDUCTION DEVICES FOR USE UNDERGROUND AND IN OTHER CONFINED ENVIRONMENTS WHERE DIESEL ENGINES ARE EMPLOYED. AMBIENT MONITORING OF DIESEL POLLUTANTS.
DUTKA BJ : MICROBIAL METHODOLOGY, MICROBIAL TOXICITY SCREENING TESTS, LEGIONELLA IN WATER, COLIPHAGE ENUMERATION, WATER-QUALITY ESTIMATION, BACTERIAL POLLUTION OF WATERS, MICROBIAL POPULATION ESTIMATES; WATER, POTABLE-WATER, SEDIMENT WATER QUALITY STANDARDS.
HUTCHINSON TC : ACID-RAIN STUDIES OF TERRESTRIAL-ECOSYSTEMS, HEAVY-METAL TOXICITY TO PLANTS AND ALGAE, ECOTOXICOLOGY OF NICKEL, COPPER, LEAD. EFFECTS OF SMELTERS. OIL-SPILL AND HYDROCARBON TOXICITY RESEARCH. ARCTIC AND BOREAL AREAS.
KRAMER JR : GEOCHEMISTRY RESEARCH INCLUDING IMPACT OF ACIDIC-PRECIPITATION; METAL SPECIATION AND BIOLOGICAL TOXICITY; AQUEOUS CHEMISTRY OF SHIELD LAKES.
LEDUC G : AQUATIC TOXICOLOGY. ACUTE AND LONG-TERM TOXICITY OF CYANIDE TO FISH. GROWTH, SWIMMING, OSMOREGULATION, ETC. EFFECTS OF MODIFYING FACTORS OF TOXICITY: TEMPERATURE, SIZE OF FISH, CURRENT OF WATER, ETC. MODE OF ACTION AND DETOXIFICATION OF CYANIDE. BIOACCUMULATION OF THIOCYANIDE. EFFECTS ON THYROID-GLAND AND RELATED FUNCTIONS.
LEE DR : GROUNDWATER CONTAMINANT FLUX TO SURFACE-WATERS, IDENTIFICATION OF GROUNDWATER DISCHARGE ZONES, STUDIES OF RADIONUCLIDE MIGRATION IN POROUS MEDIA TOXICITY OF METALS AND SYNTHETIC ORGANICS TO AQUATIC LIFE.
LIU D : ENVIRONMENTAL-TOXICOLOGY, PARTICULARLY TOXICITY & BIODEGRADATION ASSESSMENT; WATER-QUALITY STANDARDS; BIOTECHNOLOGY APPLICATION IN WASTE-TREATMENT & DISPOSAL.
MELLORS A : BIOCHEMICAL TOXICOLOGY; PHYSICAL TOXICITY; MOLAR VOLUME CORRELATIONS; HYDROCARBON AND HALOGENATED HYDROCARBON TOXICITY; INHIBITION OF MEMBRANE-BOUND ENZYMES; LYMPHOCYTE TOXICOLOGY; TUMOUR PROMOTION AND CARCINOGENESIS; POLYCHLORINATED-BIPHENYLS; INHIBITION OF CELL ACTIVATION.
NAISH VA : ENVIRONMENTAL-IMPACT-ASSESSMENT PARTICULARLY RELATED TO TOXICITY AND TAINTING OF AQUATIC COMMUNITIES AND TASTE OR ODOUR OF RECEIVING WATERS.
OZBURN GW : MULTIPLE ORGANIC TOXICITY, BIOACCUMULATION, BIOCONCENTRATION EFFECT ON GROWTH, ETC. USING FLAGFISH AND BROOK-TROUT. CHLORINATED-BENZENES AND CHLORINATED-PHENOLS, ETHYLENES & ETHANES AS CONTAMINANTS.
PETROLEUM ASSOC FOR CONSERVATION : TO PROMOTE, WITHIN THE CANADIAN PETROLEUM INDUSTRY DEVELOPMENT AND APPLICATION OF THE PRINCIPLES AND SCIENCE OF ENVIRONMENTAL CONSERVATION, INCLUDING ENVIRONMENTAL-PROTECTION, OCCUPATIONAL-HEALTH AND SAFETY, PRODUCT TOXICITY AND ENERGY-CONSERVATION AS RELATED TO ENVIRONMENTAL-PROTECTION.
PRAKASH A : MARINE POLLUTION, COASTAL ZONE MANAGEMENT, COASTAL AQUACULTURE, SHELLFISH, MARINE PRODUCTIVITY, RED-TIDES, SHELLFISH POISONING, ENVIRONMENTAL-QUALITY, ECOLOGY, ENVIRONMENTAL-IMPACT-ASSESSMENT MARINE PHYTOPLANKTON, TOXICITY, PHYSIOLOGY, DINOFLAGELLATES.
RAO SS : MICROBIOLOGICAL WATER-QUALITY OF GREAT LAKES & ACID-STRESSED LAKES. MICROBIAL BIODEGRADATION. MICROBIAL TOXICITY SCREENING. MICROBIOLOGY OF SEWAGE. INDUSTRIAL-WASTES. MICROBES & ENVIRONMENTAL STRESS. DIAGNOSTIC ENTERIC BACTERIOLOGY. TOXIC METAL, MICROBES ASSOCIATION. ACTIVATED SLUDGE & VITAMIN B12.
ROSEHART RG : WATER-POLLUTION CONTROL IN PULP-AND-PAPER AND MINING INDUSTRY. (COLOUR REMOVAL, TOXICITY REDUCTION AND PROCESS CHANGE). PUBLIC CONSULTATION, GOVERNMENT POLICY FORMULATION.
SARKAR B : TRANSPORT, ACCUMULATION AND TOXICITY OF METALS CAUSED BY ENVIRONMENTAL AND OCCUPATIONAL EXPOSURE.
SUNDARAM KMS : CHEMODYNAMICS OF POLLUTANTS AND THEIR FATE IN THE ENVIRONMENT INCLUDING THEIR TOXICITY TO VARIOUS ORGANISMS.

TOXICITY

YONG RN : RESEARCH INVOLVES ENVIRONMENTAL-AUDITING PERTAINING TO HAZARDOUS-WASTE DISPOSAL AND MANAGEMENT. RESEARCH THEMES ADDRESSED INCLUDE CONTAMINANT MIGRATION MODELLING IN SOILS, SOIL DECONTAMINATION, TOXICITY ASSESSMENT, CONTAMINANT BIODEGRADATION, LAND FARMING, REMEDIAL MEASURES, SOIL BIOTECHNOLOGY.

TOXICOLOGICAL

BIRMINGHAM BC : DEVELOPMENT OF SCIENTIFIC CRITERIA DOCUMENTS FOR ENVIRONMENTAL STANDARDS MULTI-MEDIA APPROACH. TOXICOLOGICAL ASSESSMENT, ENVIRONMENTAL FATE MODELLING, RECEPTOR EXPOSURE MODELLING, RISK-ASSESSMENT. CHLORINATED DIOXINS & DIBENZOFURANS, PCBS, POLYNUCLEAR-AROMATIC-HYDROCARBONS & PESTICIDES.

GRANT DL : EXPERTISE IN THE TOXICOLOGICAL EVALUATION OF PCBS AND DIOXINS.

KHALIL M : ORGANIC GEOCHEMISTRY OF SURFACE SEDIMENTS. ESTUARINE POLLUTION STUDIES INCLUDING THE CONTAMINATION OF MARINE ORGANISMS BY ORGANOHALOGENATED-COMPOUNDS AND POLYAROMATIC-HYDROCARBONS. TOXICOLOGICAL STUDIES OF INDUSTRIAL POLLUTANTS AND THEIR INTRODUCTION IN THE MARINE FOOD-CHAIN.

KURYS JG : TOXICOLOGICAL EVALUATION OF VOLATILE CHEMICALS IN AMBIENT AIR FOR EFFECTS USING HUMAN FAT & MILK; BOVINE-FAT & MILK; PORCINE-FAT & AVIAN SPECIES FOR RESIDUE ANALYSIS; RAW MILK; RAW & TREATED WATER; SOIL & VEGETABLES. SECOND PART OF RESEARCH CARRIED OUT ON METABOLIC PROCESSES AND THEIR MODE OF ACTION.

LO MT : EXPERTISE IN THE TOXICOLOGICAL EVALUATION OF METALS & PAHS.

TOXICOLOGIE

BRODEUR J : TOXICOLOGIE INDUSTRIELLE ET ENVIRONNEMENTALE: TOXICITE ET METABOLISME DES SOLVANTS AROMATIQUES ET ALIPHATIQUES-HALOGENES; TOXICITE ET METABOLISM DES METAUX TOXIQUES (PLOMB, CADMIUM, MERCURE).

PANISSET JC : TOXICOLOGIE INDUSTRIELLE ET AGRICOLE, TOXICITE DE PESTICIDES, MEDICAMENTS VETERINAIRES ANTIBIOTIQUE ET TRANSFERT DE L'ANTIBIO RESISTANCE DE L' ANIMAL A L'HOMME. BIOSECURITE ET BIOTECHNOLOGIES NOUVELLES.

VIGNEAULT Y : CONSEILLER SCIENTIFIQUE: EVALUATIONS ENVIRONNEMENTALES, POLLUANTS, TOXICOLOGIE. PROGRAMME DE RECHERCHE EN EVALUATION DES MILIEUX BIO-PHYSIQUES AU NIVEAU MARIN, ESTUARIEN, COTIER. ETUDES SYNTHESES SUR LE TRANSPORT-A-LONGUE-DISTANCE DES POLLUANTS ET LEURS EFFETS SUR LE MILIEU AQUATIQUE.

TOXICOLOGIQUE

COUTURE P : UTILISATION D'INDICATEURS BIOLOGIQUES, EN PARTICULIER LE PHYTOPLANCTON (ALGUES UNICELLULAIRES) POUR DETERMINER LA QUALITE DE L' EAU: ASPECT EUTROPHISATION, ASPECTS ECOLOGIQUE ET TOXICOLOGIQUE, RELATIONS STRUCTURE FONCTION, BIOESSAIS IN VITRO, BIOESSAIS IN SITU, COMMUNAUTE MICROBIENNE, PRODUCTION PRIMAIRE, CHARGE ENERGETIQUE ACCLIMATION.

TOXICOLOGY

ALLY AI : CARDIOVASCULAR PHARMACOLOGY & TOXICOLOGY: EFFECTS OF ORGANIC METALS ON CARDIAC, BLOOD VESSEL & PLATELET FUNCTION, EMPHASIS ON MECHANISMS OF ACTION: EFFECTS OF NATURAL & MAN-MADE ORGANIC-COMPOUNDS ON PERIPHERAL SYMPATHETIC NERVOUS-SYSTEM & ON CICOSANOID & LEUKOTRIENE-BIOSYNTHESIS & FUNCTION. NEUROCHEMICAL CHARACTERIZATION OF EFFECTS ON CENTRAL NERVOUS-SYSTEM WITH FOCUS ON BIOGENIC AMINES.

BANAS WP : AQUATIC TOXICOLOGY & CHEMICAL FATE INVESTIGATIONS. TOXICITY TESTING OF INDUSTRIAL EFFLUENTS (PULP & PAPER, MINING, STEEL MANUFACTURING). DEVELOPMENT OF A WATER-QUALITY AQUATIC ENVIRONMENT. TOXICITY OBJECTIVE REGARDING ALUMINUM IN THE EVALUATIONS OF PESTICIDES (ORGANOCHLORINE & ORGANOPHOSPHATE) & HEAVY-METALS USING RAINBOW-TROUT IN FLOW THROUGH & STATIC BIOASSAYS.

BIRD DM : RESEARCH ON THE BIOLOGY OF BIRDS OF PREY (FALCONS, EAGLES, HAWKS, OWLS). RESPONSIBLE FOR MANAGEMENT OF A COLONY OF CAPTIVE FALCONS WITH WHICH RESEARCH ON TOXICOLOGY, AUTRITIEN BEHAVIOUR, ECOLOGY, PHYSIOLOGY ETC. IS CONDUCTED. ALSO FIELD STUDIES.

DEFREITAS ASW : ENVIRONMENTAL TOXICOLOGY AND DOSIMETRY: BIOACCUMULATION OF HAZARDOUS-CHEMICALS BY TERRESTRIAL, AQUATIC AND AVIAN SPECIES: TRANSFER PROCESSES IN THE ENVIRONMENT. USE OF INDICATOR SPECIES.

DOUGLAS GR : GENETIC TOXICOLOGY. MUTAGENESIS, GENETIC MONITORING OF HUMAN POPULATION. APPLICATION OF GENETIC TOXICOLOGY DATA IN REGULATION OF CHEMICALS. WORLD HEALTH ORGANIZATION COLLABORATION CENTRE ON ENVIRONMENTAL-MUTAGENESIS.

FRASER AD : ANALYSIS & INTERPRETATION IN CLINICAL FORENSIC TOXICOLOGY. PHARMACOKINETIC STUDIES. DRUG INTERACTIONS.

HAYA K : AQUATIC TOXICOLOGY: BIOCHEMICAL INDICATORS OF SUBLETHAL EFFECTS CAUSED BY POLLUTANTS IN AQUATIC ORGANISMS, PARTICULARLY PARAMETERS OF INTERMEDIARY ENERGY METABOLISM.

HODSON PV : FISH TOXICOLOGY: QUANTITATIVE STRUCTURE ACTIVITY, RELATIONSHIPS FOR ORGANIC-CHEMICALS. DEVELOPMENT OF DIAGNOSTIC TOOLS FOR FISH MONITORING BASED ON BIOCHEMICAL RESPONSES. DEVELOPMENT OF WATER-QUALITY OBJECTIVES.

TOXICOLOGY

KHAN SU : FATE OF PESTICIDES IN SOIL, PLANT, WATER & ANIMALS. ENVIRONMENTAL-POLLUTION. CHEMICAL & BIODEGRADATION OF PESTICIDES. BIOAVAILABILITY & TOXICOLOGY OF PESTICIDES IN ANIMALS. PESTICIDE DEGRADING PLASMIDS. BIOTECHNOLOGY OF PESTICIDES.
KICENIUK JW : AQUATIC TOXICOLOGY OF CHRONIC EXPOSURE. TOXICOLOGY OF HYDROCARBONS. ANALYSIS OF HYDROCARBONS IN WATER SEDIMENT AND BIOLOGICAL SAMPLES.
KOCELA RJ : NON-PROFIT CORPORATION AT UNIVERSITY OF WINDSOR CONTRACT RESEARCH: AIR-POLLUTION MEASUREMENT & CONTROL; HYDRAULIC & HYDRODYNAMIC-MODELLING; NOISE & VIBRATION STUDIES & CONTROL; TOXICOLOGY.
LAHAM S : INHALATION TOXICOLOGY (INDUSTRIAL/OCCUPATIONAL/ ENVIRONMENTAL). METABOLISM OF TOXIC AND CARCINOGENIC SUBSTANCES. PRODUCT SAFETY TOXICOLOGY. INDOOR-AIR QUALITY TOXICOLOGY. CHEMICAL CARCINOGENESIS. NEUROTOXICOLOGY.
LEDUC G : AQUATIC TOXICOLOGY. ACUTE AND LONG-TERM TOXICITY OF CYANIDE TO FISH. GROWTH, SWIMMING, OSMOREGULATION, ETC. EFFECTS OF MODIFYING FACTORS OF TOXICITY: TEMPERATURE, SIZE OF FISH, CURRENT OF WATER, ETC. MODE OF ACTION AND DETOXIFICATION OF CYANIDE. BIOACCUMULATION OF THIOCYANIDE. EFFECTS ON THYROID-GLAND AND RELATED FUNCTIONS.
MASSEY TE : PULMONARY TOXICOLOGY: INVESTIGATING THE ROLES OF DIFFERENT LUNG & AIRWAY CELL TYPES IN THE TOXIFICATION & DETOXIFICATION OF ENVIRONMENTAL CHEMICALS.
MELLORS A : BIOCHEMICAL TOXICOLOGY; PHYSICAL TOXICITY; MOLAR VOLUME CORRELATIONS; HYDROCARBON AND HALOGENATED HYDROCARBON TOXICITY; INHIBITION OF MEMBRANE-BOUND ENZYMES; LYMPHOCYTE TOXICOLOGY; TUMOUR PROMOTION AND CARCINOGENESIS; POLYCHLORINATED-BIPHENYLS; INHIBITION OF CELL ACTIVATION.
TOMKINS DJ : OCCUPATIONAL AND ENVIRONMENTAL GENETIC TOXICOLOGY DEVELOPMENT OF SEVERAL GENETIC MEASURES INCLUDING CYTOGENETIC AND SINGLE GENE MUTATION; ASSESSMENT OF MEASURES FOR POPULATION MONITORING.
TRENHOLM HL : TOXICOLOGY OF MYCOTOXINS IN ANIMAL FEEDS FOR LIVESTOCK AND POULTRY. METABOLISM OF MYCOTOXINS. DETOXIFICATION OF NATURAL CONTAMINANTS & TOXIC RESIDUES IN ANIMAL PRODUCTS.
WEINBERGER P : ECOPHYSIOLOGY AND TOXICOLOGY WITH SPECIAL REFERENCE TO SOILS, SOIL MICROORGANISMS, WATER (FRESH AND ESTUARINE) AQUATIC MICRO AND MACROPHYTES AND SOME TREES INDIGENOUS TO CANADA. FATE TRANSPORT, UPTAKE, EFFECTS ON PHYSIOLOGY AND DEVELOPMENT OF N2-FIXING CYANOBACTERIA, ALGAE, AQUATIC MACROPHYTES AND SOME GYMNOSPERM AND ANGIOSPERM TREE SEEDS.
WHITE AW : MARINE PLANKTON ECOLOGY, PHYSIOLOGY, TOXICOLOGY. TOXIC PLANKTON BLOOMS. PARALYTIC SHELLFISH-POISONING. EFFECTS OF TOXIC RED-TIDES ON SHELLFISH AND FINFISH RESOURCES. FATE AND CONSEQUENCES OF MARINE TOXINS IN FOOD-WEBS.
WONG PTS : ALGAL PHYSIOLOGY & TOXICOLOGY; TRANSFORMATION OF HEAVY METALS IN AQUATIC ENVIRONMENT; EFFECTS OF CHEMICALS IN AQUATIC BIOTA (FISH & PHYTOPLANKTON).
WOOD AG : PROTECTION OF HEALTH OF EMPLOYEES IN APPLICATION OF INDUSTRIAL-HYGIENE PRINCIPLES. DEVELOPMENT OF MATERIAL SAFETY DATA SHEETS AND TOXICOLOGY SUMMARIES FOR SYNTHETIC RUBBERS. COORDINATION OF WASTE-MANAGEMENT PROGRAMS AND MONITORING OF GOVERNMENTAL REGULATIONS.
ZITKO V : DETECTION, IDENTIFICATION, MEASUREMENT, EFFECTS OF CHEMICALS ON AQUATIC-BIOTA. MASS-SPECTROMETRY, ENVIRONMENTAL MODELLING, TOXICOLOGY, ORGANIC-CHEMICALS.

TOXIFICATION

MASSEY TE : PULMONARY TOXICOLOGY: INVESTIGATING THE ROLES OF DIFFERENT LUNG & AIRWAY CELL TYPES IN THE TOXIFICATION & DETOXIFICATION OF ENVIRONMENTAL CHEMICALS.

TOXIGENESIS

CLARK AG : AQUATIC VIBRIOS, SURVIVAL TOXIGENESIS & VARIATION IN VIRULENCE. HYDROCARBON DEGRADATION & SURFACTANT PRODUCTION IN MIXED & PURE CULTURES. MICROBIAL DEGRADATION OF WATER POLYMER BASED PAINT: PAINT ANTIMICROBIALS.

TOXIQUES

BRODEUR J : TOXICOLOGIE INDUSTRIELLE ET ENVIRONNEMENTALE: TOXICITE ET METABOLISME DES SOLVANTS AROMATIQUES ET ALIPHATIQUES-HALOGENES; TOXICITE ET METABOLISM DES METAUX TOXIQUES (PLOMB, CADMIUM, MERCURE).
OUELLETTE GB : PATHOLOGIE VEGETALE (SPECIALITE FORESTIERE): FLETRISSEMENTS-FONGIQUES (ORME, TOMATE, AUBERGINE). RELATIONS HOTE-PATHOGENE AU MOYEN: TECHNIQUES MICROSCOPIE ELECTRONIQUE (TRANSMISSION ET BALAYAGE ET MICROANALYSE) & IMMUNOCYCYTOCHIMIQUES. DETECTION DE SUBSTANCES ANTIFONGIQUES OU TOXIQUES. MYCOLOGIE.

TRACE

AHMAD I : METHODS DEVELOPMENT & TRACE RESIDUE ANALYSIS OF PESTICIDES (HERBICIDES, INSECTICIDES, PLANT GROWTH REGULATORS), METABOLITES, PCBS, ORGANICS IN ENVIRONMENTAL & AGRICULTURAL MATRICES. ORGANIC SYNTHESIS. REACTIONS IN ORGANIC-CHEMISTRY.

TRACE

BARRIE LA : ATMOSPHERIC CYCLE OF TRACE CONSTITUENTS. STUDY OF ACID-RAIN PHENOMENA ON A REGIONAL SCALE & ARCTIC AIR POLLUTION ON AN HEMISPHERIC SCALE. COMPUTER MODEL OF ARCTIC AIR-POLLUTION USED TO INVESTIGATE COMPLEX INTERACTIONS OF TRANSPORT, TRANSFORMATION & REMOVAL. ROUTINE AEROSOL SCIENCE MEASUREMENTS ARE MADE IN THE CANADIAN ARCTIC. RELATIONSHIP BETWEEN AIR & PRECIPITATION TRACE ELEMENTAL COMPOSITION & POLLUTANT ORIGIN UNDER INVESTIGATION.

COOK RH : AQUACULTURE DEVELOPMENT (ATLANTIC SALMON, AMERICAN LOBSTER, SEA SCALLOPS) GROWTH & REPRODUCTIVE PHYSIOLOGY, DISEASE & NUTRITION, DIET FORMULATIONS, METHODS OF DISEASE-PREVENTION, GENETICS. POLLUTION EFFECTS ON FISH: ECOLOGICAL STUDIES, SUBLETHAL BIOLOGICAL EFFECTS, METHODS, DETECTION & ANALYSIS OF TRACE ORGANIC & INORGANIC TOXIC-CHEMICALS.

GUEVREMONT R : REFERENCE MATERIALS PREPARATION AND ANALYSIS, TRACE ANALYTICAL METHODS FOR ORGANICS AND METALS IN MARINE SAMPLES. METHODS AND INSTRUMENTATION FOR GFAAS AND ICP EMISSION SPECTROMETRY. MICROPROCESSORS FOR CONTROL OF HARDWARE AND DATA ACQUISITION.

KROUSE HR : STABLE ISOTOPE ABUNDANCES ARE USED TO IDENTIFY SOURCES OF POLLUTANTS (MAINLY SULPHUR COMPOUNDS) AND TRACE THEIR FATE IN THE ENVIRONMENT.

KRZYMIEN ME : TRACE ANALYSIS OF ORGANIC AIR-POLLUTANTS. SAMPLE PRECONCENTRATION FOR ANALYSIS OF TRACE ORGANICS IN AIR. IDENTIFICATION OF EMISSIONS FROM SYNTHETIC BUILDING MATERIALS.

LANE DA : PHOTODECOMPOSITION OF (PAH) DATA-BASE; POLYCYCLIC-AROMATIC-HYDROCARBONS. DESORPTION OF ORGANICS FROM PARTICULATE MATTER; TRACE AND ULTRA-TRACE ANALYSIS OF GAS AND PARTICULATE PHASE TOXIC-COMPOUNDS; MASS-SPECTROMETRY (MS); TRIPLE QUADRUPOLE MS; ATMOSPHERIC PRESSURE CHEMICAL IONIZATION MS; MOBILE MS.

RYGIEL EK : DEVELOPMENT OF MONOCLONAL ACTIVITIES FOR DIAGNOSTIC FITS. DEVELOPMENT OF METHODOLOGIES FOR THE DETECTION OF TRACE AMOUNTS OF ORGANIC & INORGANIC SUBSTANCES.

SHARIFF AJ : MONITOR TRACE LEVELS OF LOW MOLECULAR WEIGHT ORGANIC-COMPOUNDS IN INDUSTRIAL WASTEWATERS & RECEIVING MEDIA BY APPLICATION & MODERN ANALYTICAL TECHNIQUES. SPECIALIZATION IN ENVIRONMENTAL IMPACT OF PULP & PAPER MILL EFFLUENTS.

VAJDIC AH : EFFICIENCY OF INNOVATIVE PROCESSES FOR DRINKING-WATER PRODUCTION WITH RESPECT TO REMOVAL OF TRACE ORGANIC SUBSTANCES, METHODS OF OPTIMIZING THE OPERATION OF DRINKING-WATER TREATMENT PLANTS & QUALITY OF DRINKING-WATER SUPPLIES.

TRACE-ELEMENT

COX RM : EFFECTS OF AIR-POLLUTION ON FOREST PLANT REPRODUCTION & PRODUCTIVITY INCLUDING EFFECTS OF ACID-RAIN OR ACID-FOG & TRACE-ELEMENTS. EVALUATION TRACE-ELEMENT TOLERANCE IN NATIVE PLANTS.

GLOOSCHENKO W : ECOLOGY OF WETLANDS; PEAT; LONG-RANGE TRANSPORT OF ATMOSPHERIC-POLLUTANTS, TRACE-ELEMENT GEOCHEMISTRY.

JURY JW : INVESTIGATION OF RADON GAS IN NATURAL WATERS. TRACE-ELEMENT ANALYSIS USING PHOTON & NEUTRON ACTIVATION TECHNIQUES. PHOTON SPECTROSCOPY (GAMMA-RAYS). RADIATION IMAGING & MONITORING.

MERANGER JC : CHARACTERIZATION OF FIBROUS DUSTS INCLUDING ASBESTOS. ANALYSIS OF WATER, AIR AND BIOLOGICAL SAMPLES. EFFECTS OF ACIDIC-DEPOSITION ON QUALITY OF DRINKING-WATER (TRACE-ELEMENT CONTAMINATION). TRACE-ELEMENT METHOD DEVELOPMENT.

VANLOON GW DR : EFFECTS OF INDUSTRIAL ACTIVITIES ON THE SOIL INCLUDING STUDIES ON ACID-RAIN, MINE-TAILINGS, SEWAGE SLUDGE. SOIL CHEMICAL PROCESSES. ENVIRONMENTAL TRACE-ELEMENT ANALYSIS.

VISWANATHAN S : PARTICULATE MEASUREMENT AND CONTROL, ODOUR MEASUREMENT AND CONTROL, TRACE-ELEMENT MEASUREMENT, DISPERSION MODELLING, INDUSTRIAL-HYGIENE MEASUREMENTS, HEATING AND VENTILATION, HAZARDOUS-WASTE AUDITS.

TRACE-ELEMENTS

CORNETT RJJ : TRANSPORT OF TRACE-ELEMENTS THROUGH AQUATIC SYSTEMS. BIOACCUMULATION OF RADIONUCLIDES MODELLING OXYGEN CONCENTRATIONS IN LAKES. ROLE OF GROUNDWATER INPUTS IN DETERMINING STREAM WATER CHEMISTRY.

COX RM : EFFECTS OF AIR-POLLUTION ON FOREST PLANT REPRODUCTION & PRODUCTIVITY INCLUDING EFFECTS OF ACID-RAIN OR ACID-FOG & TRACE-ELEMENTS. EVALUATION TRACE-ELEMENT TOLERANCE IN NATIVE PLANTS.

CZUBA M : ENVIRONMENTAL INTERACTIONS OF HEAVY-METALS & TRACE-ELEMENTS AS THEY AFFECT PHYSIOLOGY, BIOCHEMISTRY & CELL ASSOCIATIONS OF PLANTS. STUDIES OF TOXIC EFFECTS TO DETERMINE MECHANISMS OF ACTION, ASSESS PRODUCTS PRODUCED & POSSIBLE ABATEMENT MEASURES. EVALUATE MODERATING EFFECTS OF MICROORGANISMS ON METAL ACTION IN HOST ORGANISM.

D'AURIA JM : DEVELOPMENT OF USE OF BIOLOGICAL ORGANISMS AS SENTINEL INDICATORS OF HEAVY ELEMENT POLLUTANTS IN THE ENVIRONMENT. USE OF XRF TO MEASURE TRACE-ELEMENTS IN BIOLOGICAL AND ENVIRONMENTAL SAMPLES.

DABEKA WR : ANALYSIS FOR TRACE-ELEMENTS, TOXIC ELEMENTS; LEAD CADMIUM, ARSENIC, TIN, FLUORIDE, MERCURY; FOOD DIETARY INTAKES; ANALYTICAL WATER. INSTRUMENTAL EXPERTISE: GRAPHITE FURNACE ATOMIC, ABSORPTION SPECTROMETRY.

DUDAS MJ : BIOGEOCHEMISTRY OF TRACE-ELEMENTS, HEAVY-METALS, RADIOISOTOPES IN SOILS, PLANTS & TERRESTRIAL SYSTEMS; CLAY MINERALOGY; RESEARCH ON FLY-ASH LEACHATES, TOXIC INORGANICS IN THE ENVIRONMENT & CYCLING OF NOXIOUS HEAVY-METALS.

TRACE-ELEMENTS

HEALE EL : DEVELOPMENT OF WOODY TREES AND SHRUBS ON TAILINGS; TRACE-ELEMENTS (ESPECIALLY NICKEL AND COPPER). EFFECTS ON VEGETATION; EXPERIMENTS UTILIZING WASTE GEOTHERMAL HEAT ENERGY FOR THE PRODUCTION OF GREENHOUSE VEGETABLE AND FORESTRY CROPS; INVESTIGATION, NEGOTIATION AND SETTLEMENT OF CLAIMS FOR VEGETATION DAMAGE.

POLAND JS : ANALYSIS OF TRACE-METALS AND TOXIC ORGANIC-COMPOUNDS IN THE ENVIRONMENT. ENVIRONMENTAL-HEALTH AND SAFETY AND RELATIONSHIPS BETWEEN TRACE-ELEMENTS AND HEALTH AND NUTRITION.

SCHROEDER WH : ATMOSPHERIC-CHEMISTRY; PHOTOCHEMISTRY; MERCURY & ITS COMPOUNDS IN THE ENVIRONMENT; HEAVY-METALS & AMBIENT AIR; SAMPLING & ANALYSIS OF TRACE-ELEMENTS; TOXIC-CHEMICALS: ATMOSPHERIC SOURCES, TRANSPORT, TRANSFORMATION, REMOVAL & ENVIRONMENTAL FATE.

WARREN HV : TRACE-ELEMENTS IN VEGETATION, SOILS, AND THEIR RELATION TO CONTAMINATION OF THE ENVIRONMENT, EPIDEMIOLOGY, AND MINERAL EXPLORATION.

TRACE-METAL

CAMPBELL PG : TRACE-METAL BIOGEOCHEMISTRY. ACID-PRECIPITATION. SOURCE POLLUTION; EVOLUTION POLLUTION; POLLUTION TRANSPORT; GROUNDWATER CONTAMINATION BY PESTICIDES.

HALL KJ : ENVIRONMENTAL POLLUTION, SPECIFICALLY TRACE-METAL AND TRACE-ORGANIC CONTAMINANTS. PRODUCTION AND DECOMPOSITION PROCESSES IN MARSHES. LIMNOLOGICAL STUDIES ON NUTRIENT AVAILABILITY AND REGULATION OF PRODUCTION PROCESSES.

SCHREIER H : SOIL & SEDIMENT CHEMISTRY. TRACE-METAL CONTAMINATION. ASBESTOS IN THE ENVIRONMENT (SOIL, ROCKS, SEDIMENT, WATER, BIOTA). SOIL FERTILITY. REMOTE-SENSING.

TRACE-METALS

BEWERS JM : GEOCHEMISTRY OF TRACE-METALS IN THE MARINE ENVIRONMENT. HALOGEN GEOCHEMISTRY. RADIOACTIVITY ANALYSIS. RESEARCH RELATED TO DISPOSAL OF RADIOACTIVE-WASTE IN THE OCEAN INCLUDING ENVIRONMENTAL SURVEILLANCE PROGRAMS.

GOYETTE DE : MARINE ENVIRONMENTAL-IMPACT-ASSESSMENT AND POLLUTION-CONTROL; INDUSTRIAL AND MUNICIPAL DISCHARGES, PACIFIC COAST. SPECIFIC STUDIES ON THE PHYSICAL, CHEMICAL AND BIOLOGICAL IMPACTS OF MINE-TAILINGS AND EFFLUENTS FROM PULP-MILLS; TISSUE TRACE-METALS; MONITORING AND REGULATION COMPLIANCE; ENVIRONMENTAL-IMPACT-ASSESSMENT; PORT & HARBOURS; BIOLOGICAL EFFECTS OF ORGANIC CONTAMINANTS AND URBAN WASTES.

LUM KR : BIOGEOCHEMISTRY OF TRACE-METALS AND METALLOIDS IN THE GREAT LAKES AND ESTUARIES. ASSESSMENT OF THE ENVIRONMENTAL-IMPACT OF METALS IN DREDGED MATERIAL, STEEL SLAGS AND OTHER SOLID MATERIALS. SPECIATION AND BIOAVAILABILITY OF TRACE-METALS AND METALLOIDS.

MCLEAN R : PULP-AND-PAPER INDUSTRY. ACID-PRECIPITATION. TRACE-METALS.

POLAND JS : ANALYSIS OF TRACE-METALS AND TOXIC ORGANIC-COMPOUNDS IN THE ENVIRONMENT. ENVIRONMENTAL-HEALTH AND SAFETY AND RELATIONSHIPS BETWEEN TRACE-ELEMENTS AND HEALTH AND NUTRITION.

TIMS AJS : ACID-PRECIPITATION MONITORING; PROVINCIAL NETWORK DATA. OZONE MONITORING USING BIOMONITORS. LICHEN & MOSS BIOASSIMILATION OF TRACE-METALS & POLLUTANTS. RESPONSE TO PUBLIC COMPLAINTS OF AIR-POLLUTION INJURY TO VEGETATION.

TIMUSS AD : ENVIRONMENTAL LABORATORY ANALYSIS, TRACE-METALS, TRACE-ORGANICS.

WHITTLE DM : TRENDS IN CONTAMINANTS (PESTICIDES, INDUSTRIAL CHEMICALS AND TRACE-METALS) IN AQUATIC BIOTA FROM THE LAURENTIAN GREAT LAKES. DETERMINE THE IMPACT OF CONTAMINANT BURDENS ON THE AQUATIC-ECOSYSTEM.

TRACE-ORGANIC

HALL KJ : ENVIRONMENTAL POLLUTION, SPECIFICALLY TRACE-METAL AND TRACE-ORGANIC CONTAMINANTS. PRODUCTION AND DECOMPOSITION PROCESSES IN MARSHES. LIMNOLOGICAL STUDIES ON NUTRIENT AVAILABILITY AND REGULATION OF PRODUCTION PROCESSES.

TRACE-ORGANICS

TIMUSS AD : ENVIRONMENTAL LABORATORY ANALYSIS, TRACE-METALS, TRACE-ORGANICS.

TRACE-VAPOURS

ELIAS L : DETECTION OF TRACE-VAPOURS AND GASES IN ATMOSPHERE. MEASUREMENT OF AIRBORNE EXPLOSIVES, NARCOTICS, PESTICIDES AND FLUOROCARBONS BY PRECONCENTRATION GAS-CHROMATOGRAPHY.

TRAINING

ANDERSON JM : FISHERIES RESEARCH & DEVELOPMENT, PARTICULARLY SALMONID AQUACULTURE & SALMON ENHANCEMENT STRATEGIES. EDUCATION & TRAINING A SPECIALTY.

TRAINING

BALACKO GD : ASSIST WITH DEVELOPMENT & IMPLEMENTATION OF TRAINING MATERIAL FOR WATERWORKS AND SEWAGE WORKS OPERATORS MANAGING SMALL SYSTEMS.
BLAIR N : RESEARCH ASSOCIATE. PROVINCIAL CONSERVATION STRATEGY, NOVA-SCOTIA, INCLUDING PARTICIPATORY ACTION RESEARCH WITH NONGOVERNMENTAL AND GOVERNMENTAL GROUPS, PUBLIC EDUCATION. STUDIES IN FUELWOOD SUPPLY, MARKETING AND DISTRIBUTION IN NOVA-SCOTIA FORESTRY STUDIES: SOCIOLOGICAL, POLICY AND BUSINESS. PROJECT OFFICER IN TRAINING INDONESIANS IN ENVIRONMENTAL SKILLS EG. ENVIRONMENTAL-LAW, ENVIRONMENTAL-IMPACT-ASSESSMENT, ETC.
SIMKIN D : WILDLIFE ADMINISTRATION, POLICY AND PROGRAM DEVELOPMENT, RESEARCH AND TECHNOLOGY TRANSFER, LEGISLATION, ENFORCEMENT, USER TRAINING (FIREARM SAFETY, HUMANE-TRAP DEVELOPMENT, TEACHING, NATURALIST TRAINING), ORGANIZATIONAL STRATEGIES, COMMUNICATION WITH PUBLIC.

TRAITEMENT

BIENVENUE M : DETERMINATION DE LA TOXICITE D' EFFLUENTS ET DECHETS-DANGEREUX. DEVELOPPEMENT ET EVALUATION DE SYSTEME DE TRAITEMENT D' EFFLUENTS LIQUIDES ET SOLIDES. RECHERCHE SUR LA VALIDITE ET LA PERTINENCE DES METHODES D' EVALUATION. MESURE DE LA QUALITE DE L' AIR AMBIANT ET AU MILIEU DE TRAVAIL.
GALAND JL : PRODUITS CHIMIQUES POUR TRAITEMENT DE L' EAU-DE-BOUES ET DES ECUMES. SELS-D'ALUMINIUM. POLYELECTROLYTES. DISPERSANTS. SILICE ACTIVEE.
JAOUICH A : TERRES AGRICOLES CONTRAINTES GENERALES. PROPRIETES PHYSIQUES, CHIMIQUES, BIOLOGIQUES. PROBLEMES DE TRAITEMENT DE DECHETS-AGRICOLES, INDUSTRIELS ET URBAINS. SYSTEMES DE TRANSPORT ET ENTREPOSAGE DE SUBSTANCES-INFLAMMABLES.
LAVALLEE P : ASSAINISSEMENT-EAU: METHODOLOGIE DE LA PROPAGATION DES EAUX-USEES DEVERSEES EN COURS D'EAU. EVALUATION DE LA QUALITE-DES-EAUX-USEES DE DEBORDEMENT-DE-RESEAUX UNITAIRES. CARACTERISATION DES EAUX-USEES: INFLUENCE SUR LE MILIEU RECEPTEUR ET LA STATION DE TRAITEMENT.
TRUDEL MJ : LA FACULTE DES SCIENCES DE L' AGRICULTURE ET DE L' ALIMENTATION DE L' UNIVERSITE LAVAL REALISE UNE VINGTAINE DE PROJETS DE RECHERCHE RELIES A L' ENVIRONNEMENT NOTAMMENT SUR LES SUJETS SUIVANTS: TRAITEMENT ET MANUTENTION DES LISIERES ET FUMIERS, EPURATION-DES-EAUX-USEES, CONSERVATION DES SOLS, BILAN HYDRIQUE DES SOLS, PERSISTANCE DES PESTICIDES, ZONAGE BIOCLIMATIQUE.

TRAITEMENT-EAUX-USEES

COUILLARD D : ASSAINISSEMENT-EAU; EPURATION-EAU; TRAITEMENT-EAUX-USEES; EAUX-USEES; EFFLUENT; RUISSELLEMENT URBAIN; RUISSELLEMENT MUNICIPALITE; BIOINDICATEUR EAU; TOXICITE EAUX-USEES.
GODBOUT G : BIBLIOGRAPHIES; DOCUMENTATION; INFORMATION SCIENTIFIQUE; TELEREFERENCE; REFERENCE; RENSEIGNEMENT TECHNIQUE; BANQUE-BIBLIOGRAPHIQUE AUTOMATISEE; ENVIRONNEMENT EAU; RESSOURCE EAU; ENVIRONNEMENT-AQUATIQUE; EAU RESSOURCE; ECOLOGIE EAU; ECOLOGIE-AQUATIQUE; HYDROLOGIE; LIMNOLOGIE; ASSAINISSEMENT-EAU; TRAITEMENT-EAUX-USEES.
INRS-EAU : RECHERCHE MULTIDISCIPLINAIRE; ENSEIGNEMENT MULTIDISCIPLINAIRE; CENTRE DE RECHERCHE; RECHERCHE UNIVERSITAIRE; ENVIRONNEMENT EAU; RESSOURCE-EAU; ECOLOGIE EAU; HYDROLOGIE; HYDROBIOLOGIE; LIMNOLOGIE; ASSAINISSEMENT-EAU; TRAITEMENT-EAUX-USEES.

TRANSPORT-A-LONGUE-DISTANCE

FORTIN JP : HYDROLOGIE; HYDROMETEOROLOGIE; PRECIPITATION; PLUIE; NEIGE; RUISSELLEMENT; DEBIT; ECOULEMENT; PHYSIOGRAPHIE; RIVIERE; BASSIN VERSANT; CRUE; INONDATION; TELEDETECTION EAU; SATELLITE EAU; INTEGRATION DES DONNEES; STATISTIQUE HYDROLOGIE; GESTION-EAU; PLANIFICATION-EAU; PREVISION EAU; DECISION EAU; PROTECTION EAU; CONTROLE-EAU; MODELE HYDROLOGIQUE; CEQUEAU MODELE; MODELE DETERMINISTE MAILLE-CARREAU; MODELE D AJUSTEMENT; PREVISION HYDROLOGIQUE; PREVISION ECOULEMENT; PREVISION TEMPS REEL; RESEAU HYDROLOGIQUE; PLUVIOMETRE; RADAR HYDROLOGIE; STATION-PLUVIOMETRIQUE; RESEAU RADAR METEOROLOGIE; PRECIPITATIONS-ACIDES; POLLUANTS-ATMOSPHERIQUES; TRANSPORT-A-LONGUE-DISTANCE; MODELE STATISTIQUE; DIFFUSION UNIDIMENSIONNEL; ANISOTROPIE-SPATIALE.
VIGNEAULT Y : CONSEILLER SCIENTIFIQUE: EVALUATIONS ENVIRONNEMENTALES, POLLUANTS, TOXICOLOGIE. PROGRAMME DE RECHERCHE EN EVALUATION DES MILIEUX BIO-PHYSIQUES AU NIVEAU MARIN, ESTUARIEN, COTIER. ETUDES SYNTHESES SUR LE TRANSPORT-A-LONGUE-DISTANCE DES POLLUANTS ET LEURS EFFETS SUR LE MILIEU AQUATIQUE.

TRANSPORTATION

BOND EJ : USE OF CHEMICALS ESPECIALLY FUMIGANTS FOR THE CONTROL OF PESTS IN STORED PRODUCTS & STORAGE & TRANSPORTATION FACILITIES. ANALYSIS & SIGNIFICANCE OF THE PESTICIDE CHEMICALS IN THE ENVIRONMENT.
BROUGHTON E : WILDLIFE STUDIES: HEALTH STATUS OF POPULATIONS AND INVESTIGATION OF DISEASE OUTBREAKS. CHEMICAL RESTRAINT OF WILDLIFE. DEVELOPMENT OF GUIDELINES FOR TRANSPORTATION OF WILDLIFE. ASSESSMENT OF FACILITIES.

TRANSPORTATION

MCKIBBEN L : ENVIRONMENTAL INVENTORY AND ANALYSIS. ENVIRONMENTAL-IMPACT PREDICTION AND MITIGATION. ENVIRONMENTAL-PLANNING AND MANAGEMENT. LAND-USE REGULATION. ENVIRONMENTALLY SENSITIVE & SIGNIFICANT AREA PROTECTION. HAZARD LAND REGULATION. TRANSPORTATION & UTILITY CORRIDOR PLANNING & MANAGEMENT.
MURRAY DR : INVENTORY OF CANADIAN ACTIVITIES RELATED TO SOIL & WATER LIMITATIONS, DEGRADATION, CONSERVATION, IMPROVEMENT, RECLAMATION. ACTIVITIES ASSOCIATED WITH MINING, AGRICULTURE, FORESTRY, ENERGY, TRANSPORTATION, CONSTRUCTION, ETC.
PARKS FJ : NATIONAL TRADE ORGANIZATION (SINCE 1907) INCLUDES CORPORATE & INDIVIDUAL MEMBERS COVERING COMPLETE NATURAL-GAS INDUSTRY SPECTRUM. MEMBERSHIP DRAWN FROM GAS RESOURCE COMPANIES, DISTRIBUTION & TRANSPORTATION COMPANIES & MANUFACTURERS OF GAS APPLIANCES & EQUIPMENT.
WARNOCK ACC : SOUND TRANSMISSION OF ABSORPTION OF BUILDING SYSTEMS & MATERIALS. NOISE & VIBRATION CRITERIA FOR BUILDINGS. DYNAMIC RESPONSE OF STRUCTURES TO VIBRATION. BEHAVIOUR OF SOUND IN ROOMS. PENETRATION OF TRANSPORTATION NOISE & VIBRATION INTO BUILDINGS. SEISMIC REQUIREMENTS IN CANADIAN BUILDINGS.

TREATMENT

BIRKBECK AE : CHARACTERISATION & TREATMENT OF LANDFILL LEACHATE, ODOUR CONTROL AT LANDFILLS. INDUSTRIAL & MUNICIPAL WASTEWATER-TREATMENT, RECLAMATION & RECIRCULATION FOR FISH HATCHERIES. DESIGN & EVALUATION OF SMALL DISINFECTION UNITS, CHLORINE, OZONE & ULTRAVIOLET.
BOSSERT JA : EXPLOSIVE ATMOSPHERES CONSISTING OF GASES, VAPOUR AND DUSTS IN AIR; FIRE RESISTANCE OF MATERIALS USED IN CONFINED LOCATIONS (UNDERGROUND MINES), TOXIC EFFECTS OF DIESEL EXHAUST IN CONFINED LOCATIONS & DIESEL EXHAUST TREATMENT DEVICES.
BRIX H : PHYSIOLOGY AND GROWTH OF TREES AND FOREST STANDS IN RELATION TO ENVIRONMENTAL CONDITIONS AND TREATMENT SUCH AS FERTILIZATION AND THINNING.
CHAI CY : PULP-AND-PAPER MILL INPLANT CONTROL, PRIMARY & SECONDARY TREATMENT SYSTEM.
CHIA CJ : MERCURY POLLUTION, WASTE ALKYLATION ACID, WASTE SULPHATE SOLUTION FROM CHLORALKALI PLANT. AMMONIA CONDENSATES & THEIR TREATMENT AND OR RECOVERY.
GANCZARCZYK JJ : APPLICATION OF ACTIVATED SLUDGE PROCESS FOR TREATMENT OF SEWAGE & INDUSTRIAL-EFFLUENTS, INHIBITION OF NITRIFICATION, PHYSICAL BEHAVIOUR OF BIOLOGICAL FLOCS, ROLE OF SOLID SURFACE IN SUSPENDED GROWTH TREATMENT, ESTIMATION OF BIOMASS PRODUCTION & HAZARDOUS WASTE-TREATMENT & DISPOSAL.
HRUDEY SE : INDUSTRIAL WASTE-MANAGEMENT, PETROLEUM, ORGANIC CHEMICAL, OIL-SANDS, FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION CONTROL; WATER RECLAMATION AND REUSE; HAZARDOUS TOXIC-WASTE, MANAGEMENT, DISPOSAL; INDUSTRIAL BIOTECHNOLOGY; ANAEROBIC TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT; RISK-ASSESSMENT; HAZARD IDENTIFICATION CONTROL.
HUCK PM : TREATMENT OF DRINKING-WATER (ORGANIC CONTAMINANTS ALTERNATIVE DISINFECTANTS, ACTIVATED CARBON). TREATMENT OF URANIUM MINING & MILLING WASTES (DEVELOPMENT OF A NEW PROCESS FOR RADIUM REMOVAL).
HUNSINGER RB : MICRO CONTAMINANTS IN DRINKING-WATER (ASBESTOS, DIOXINS ETC.) INCLUDING SAMPLING METHODS & FATE WITHIN THE TREATMENT TRAIN & REMOVAL METHODS. DRINKING-WATER DATA-BASES (DWSP). DRINKING-WATER TREATMENT.
MANKIEWICZ E : MICROBACTERIA: DIAGNOSIS OF INFECTIONS, TREATMENT, CLASSIFICATION OF MICROORGANISMS, PHAGETYPING FUNGI: DEEP MYCOTIC INFECTIONS. SEXUALLY-TRANSMITTED DISEASES: ORGANIZATION OF OUT PATIENT CLINICS, MICROBIOLOGICAL DIAGNOSIS, TREATMENT, PREVENTION (TEACHING).
MCKIM MP : DESIGN, DEVELOPMENT & APPLICATION OF WATER & AIR-POLLUTION ABATEMENT DEVICES. EXAMPLES ARE ROTATING BIOLOGICAL CONTACTORS, PHENOL CONTROL, WATER-REUSE SYSTEMS & USE OF PEAT FOR SEWAGE TREATMENT.
ODA A : PREPARE GUIDELINES FOR TREATMENT & DISPOSAL OF SOLID ORGANIC-WASTES ON AGRICULTURAL LANDS. DEVELOP EXPERTISE ON WASTE-MANAGEMENT TECHNIQUES RELATED TO PHYSICAL & CHEMICAL TREATMENT, SOLIDIFICATION, MEMBRANE SEPARATION ETC. INVESTIGATE METHODS FOR THE MANAGEMENT OF LEACHATE FROM MUNICIPAL LANDFILL SITES.
PATEL GB : ISOLATION, CHARACTERIZATION & STUDY OF THE PHYSIOLOGY OF OBLIGATE-ANAEROBES INVOLVED IN THE BREAKDOWN OF COMPLEX ORGANIC MATTER PRESENT IN ANAEROBIC ECOSYSTEMS (CELLULOLYTIC, SACCHAROLYTIC, METHANOGENIC-BACTERIA). SEWAGE TREATMENT; PULP & PAPER.
RYAN RG : EXPERIENCE IN THE START-UP AND OPERATION OF BIOLOGICAL TREATMENT SYSTEMS FOR EFFLUENT FROM BLEACHED KRAFT PULP-MILLS.
SMITH DW : OZONE TREATMENT OF WATER AND WASTEWATER. COLD REGIONS ENVIRONMENTAL-ENGINEERING. SCALE UP OF WATER AND WASTEWATER-TREATMENT PROCESSES. DISINFECTION. MIXING AND MICROORGANISMS IN RIVERS.
TOWNSHEND AR : COLD CLIMATE NORTHERN & RURAL ENVIRONMENTAL ENGINEERING TECHNOLOGIES FOR THE PROTECTION OF THE ENVIRONMENT & QUALITY OF LIFE; TECHNOLOGIES FOR WATER SOURCE DEVELOPMENT & TREATMENT, WATER CONSERVATION, WASTEWATER-TREATMENT & DISPOSAL, SOLID-WASTE MANAGEMENT & ENERGY-CONSERVATION.
VAJDIC AH : EFFICIENCY OF INNOVATIVE PROCESSES FOR DRINKING-WATER PRODUCTION WITH RESPECT TO REMOVAL OF TRACE ORGANIC SUBSTANCES, METHODS OF OPTIMIZING THE OPERATION OF DRINKING-WATER TREATMENT PLANTS & QUALITY OF DRINKING-WATER SUPPLIES.

TREE

BARKLEY BA : DEVELOPMENT & TRANSFER OF TECHNIQUES TO SUCCESSFULLY ESTABLISH & MANAGE FAST-GROWING HARDWOODS: CLONE & SITE (SOIL TYPE) INTERACTION; SPACING EFFECTS; TECHNIQUES FOR SITE PREPARATION & FENDING; TREE IMPROVEMENT (DEVELOPMENT OF NEW CLONES); PROGENY & PROVENANCE TESTING & FERTILIZATION.
BOYLE TJB : POPULATION & QUANTITATIVE GENETICS, BIOCHEMICAL GENETICS, ESPECIALLY APPLIED TO FOREST GENETICS & TREE IMPROVEMENT OPERATIONS OF BOREAL SPECIES.
BRETT CP : MANAGEMENT OF PROVINCIAL FOREST RESOURCES; DEVELOPMENT OF METHODS FOR IMPROVING QUALITY OF TREE SEED & SEEDLINGS; EVALUATION OF TRIALS USING EXOTIC TREE SPECIES; PROMOTION & FACILITATION OF RESEARCH ON SASKATCHEWAN SILVICULTURE PROBLEMS.
BURGER D : FOREST LAND-CLASSIFICATION. EXPERTISE: TREE SPECIES, SITE RELATIONSHIPS (LOCAL & REGIONAL) SOILS, PHYSIOGRAPHY. PROJECTS: SITE REGIONS OF ONTARIO; FOREST ECOREGIONS NORTHEAST US; COMPARISON OF ECOLOGICAL CONDITIONS IN ONTARIO & NORTHEAST CHINA.
CASE AB : SCIENTIFIC LEADERSHIP & MANAGERIAL RESPONSIBILITY FOR RESEARCH AND DEVELOPMENT ACTIVITIES IN FOREST RESOURCES & ENVIRONMENTAL RESEARCH. FOREST ECOLOGY, TREE & FOREST-STAND IMPROVEMENT, REFORESTATION, GROWTH & YIELD STUDIES, ENVIRONMENTAL PROBLEMS RELATED TO FOREST-MANAGEMENT.
D'AOUST AL : PRODUCTION, GROWTH AND PHYSIOLOGY OF CONTAINERIZED FOREST TREE SEEDLINGS FOR REFORESTATION. ENVIRONMENTAL CONDITIONS TO FAVOUR ACCELERATED GROWTH AND HARDENING OF MATERIAL. THE STUDY OF GROWTH AND GAS EXCHANGE ANALYSIS, ALSO THE WATER RELATION OF ACCLIMATIZED SEEDLINGS.
GIZYN WI : EFFECT OF ACIDIC-DEPOSITION ON TERRESTRIAL ENVIRONMENT. SURVEYS OF FOLIAR CHEMICAL COMPOSITION IN FOREST TREE SPECIES.
GLERUM C : TREE PHYSIOLOGY WITH EMPHASIS ON FROST HARDINESS & DORMANCY & RELATED TO QUALITY OF PLANTING STOCK WHICH WILL MAXIMIZE REGENERATION EFFORT & ENHANCE FIBRE PRODUCTION.
GORDON AG : BIOMASS, PRODUCTIVITY, AND NUTRIENT-CYCLING OF SPRUCE FOREST-ECOSYSTEMS; THE GENETICS AND GENECOLOGY AND TREE IMPROVEMENT OF THE SPRUCE GENUS.
HOFSTRA G : EFFECTS OF ENVIRONMENTAL STRESS ON CROP PLANTS. SALT STRESS IN BEDDING PLANTS. GROWTH REGULATORS & STRESS ALLEVIATION. TREE PHYSIOLOGY.
ILLINGWORTH K : RESEARCH IN SILVICULTURE, BIOMETRICS & SYSTEMS, ECOLOGY & EARTH SCIENCES, INTEGRATED RESOURCE-MANAGEMENT, TREE PHYSIOLOGY & TREE IMPROVEMENT TO SOLVE PROBLEMS IN FOREST & RANGE MANAGEMENT.
LECHOWICZ MJ : ECOLOGY OF PLANT PRODUCTIVITY. CONTROLS ON PLANT GROWTH AND REPRODUCTION, ESPECIALLY FOR ANNUAL WEEDS LIKE XANTHIUM-STRUMARIUM. NATURAL TREE DEFENSES AGAINST LEAF-FEEDING CATERPILLARS. CLIMATIC CONTROL OF LICHEN PRODUCTIVITY. ACID-RAIN EFFECTS ON LICHEN PRODUCTIVITY.
MAHENDRAPPA MK : SOIL-CHEMISTRY AND MICROBIOLOGY AS RELATED TO ACID-RAIN AND NUTRIENT-CYCLING IN FOREST-ECOSYSTEMS. CHEMISTRY OF PRECIPITATION AND ITS INFLUENCE ON THE CHEMICAL AND BIOCHEMICAL PROCESSES ON TREES AND SOIL. IMPROVEMENT OF THE USE OF WATER AND FERTILIZERS IN TREE NURSERIES.
PITEL JA : PHYSIOLOGY & BIOCHEMISTRY OF SEED GERMINATION, SEED DORMANCY & SEED STORAGE PROBLEMS OF FOREST TREE SPECIES. STUDIES ON DNA: STRUCTURE & FUNCTION OF ORGANELLAR & NUCLEAR DNA. DNA CLONING, SEQUENCING ETC.
PREE DJ : INSECTICIDE RESISTANCE & MANAGEMENT STUDIES WITH TREE FRUIT INSECTS.
ROSS G : HERBICIDE ENVIRONMENTAL-IMPACT-ASSESSMENT. SPRUCE PLANTATION ESTABLISHMENT, GROWTH & YIELD. GENETIC TREE IMPROVEMENT. TREE NURSERIES. SILVICULTURE WORK STUDY, PRODUCTIVITY TRIALS.
WEINBERGER P : ECOPHYSIOLOGY AND TOXICOLOGY WITH SPECIAL REFERENCE TO SOILS, SOIL MICROORGANISMS, WATER (FRESH AND ESTUARINE) AQUATIC MICRO AND MACROPHYTES AND SOME TREES INDIGENOUS TO CANADA. FATE TRANSPORT, UPTAKE, EFFECTS ON PHYSIOLOGY AND DEVELOPMENT OF N2-FIXING CYANOBACTERIA, ALGAE, AQUATIC MACROPHYTES AND SOME GYMNOSPERM AND ANGIOSPERM TREE SEEDS.
YEATMAN CW : PROJECT LEADER OF TREE GENETICS AND BREEDING RESEARCH IN BOREAL CONIFERS. RESEARCH IN GENECOLOGY AND GENETIC IMPROVEMENT OF PINUS-BANKSIANA. ACTIVIST IN PROMOTING CONSERVATION OF FOREST GENETIC RESOURCES WORLD-WIDE.

TREE-RING

ROBITAILLE G : EFFECTS OF PRIMARY & SECONDARY AIR-POLLUTANTS INCLUDING ACID-RAIN ON FORESTS, SOILS, LICHENS & MOSSES; NUTRIENT CYCLING IN FOREST-ECOSYSTEMS; BIOGEOCHEMICAL CYCLES; BIOMONITORING; TREE-RING ANALYSIS IN RELATION TO POLLUTION.
TERASMAE J : QUATERNARY GEOLOGY, PALYNOLOGY, PALEAECOLOGY, GEOCHRONOLOGY (RADIO-CARBON DATING), TREE-RING STUDIES; GEOCHEMISTRY, SEDIMENTOLOGY OF LAKE SEDIMENTS (PALEOLIMNOLOGY) & PEAT DEPOSITS FOR STRATIGRAPHIC-CORRELATION PALEOENVIRONMENTAL ANALYSIS (INCLUDING CLIMATE CHANGE, VEGETATION HISTORY & HUMAN ACTIVITIES).

TREES

ALEMDAG IS : FOREST-MENSURATION (GROWTH AND YIELD) AND FOREST-MANAGEMENT: SITE INDEXES. VOLUME AND YIELD-TABLES. GROWTH-ESTIMATES AND MANAGEMENT TECHNIQUES. METHODS OF ESTIMATING BIOMASS OF TREES AND STANDS.
BRIX H : PHYSIOLOGY AND GROWTH OF TREES AND FOREST STANDS IN RELATION TO ENVIRONMENTAL CONDITIONS AND TREATMENT SUCH AS FERTILIZATION AND THINNING.

TREES

DUGLE JR : BIOSYSTEMATICS & PLANT ECOLOGY. EFFECTS OF GAMMA-RAYS ON PLANT SPECIES & ASSOCIATIONS WITH EMPHASIS ON TREES & SHRUBS.

FOGAL WH : FOREST-PROTECTION RESEARCH ON SEED TREES AND PLANTATIONS (ENTOMOLOGY AND PATHOLOGY), CHEMICAL-CONTROL (GROUND APPLICATIONS), BIOLOGICAL CONTROL (MICROBIALS), CULTURAL-CONTROL (HOST RESISTANCE; FOREST-STAND MANAGEMENT).

HEALE EL : DEVELOPMENT OF WOODY TREES AND SHRUBS ON TAILINGS; TRACE-ELEMENTS (ESPECIALLY NICKEL AND COPPER). EFFECTS ON VEGETATION; EXPERIMENTS UTILIZING WASTE GEOTHERMAL HEAT ENERGY FOR THE PRODUCTION OF GREENHOUSE VEGETABLE AND FORESTRY CROPS; INVESTIGATION, NEGOTIATION AND SETTLEMENT OF CLAIMS FOR VEGETATION DAMAGE.

MACARTHUR JD : SILVICULTURE: MIXED HARDWOOD FORESTS; FOREST-PLANTATIONS. FOREST-MANAGEMENT: SPECIAL CHARACTERISTICS OF PRIVATE WOODLANDS. URBAN FORESTRY: SELECTION & CARE OF ORNAMENTAL TREES & SHRUBS & BIOLOGICAL & ENVIRONMENTAL PROBLEMS OF URBAN VEGETATION.

MAHENDRAPPA MK : SOIL-CHEMISTRY AND MICROBIOLOGY AS RELATED TO ACID-RAIN AND NUTRIENT-CYCLING IN FOREST-ECOSYSTEMS. CHEMISTRY OF PRECIPITATION AND ITS INFLUENCE ON THE CHEMICAL AND BIOCHEMICAL PROCESSES ON TREES AND SOIL. IMPROVEMENT OF THE USE OF WATER AND FERTILIZERS IN TREE NURSERIES.

SPRATT ED : RAINFOREST CLEARING IN INDONESIA USING CHEMICAL POISONING OF ECONOMICAL TREES THEN PLANTING FAST-GROWING CREEPING LEGUME VINES TO OVERTAKE THE UNDERGROWTH. P & K FERTILIZERS ARE NEEDED. GRADUAL TAKEOVER OF LEGUMES BY ECONOMICAL CROPS (IE. OIL PALM) USING TOP KILLERS TO CONTROL LEGUME UNDERGROWTH. STOPS SOIL EROSION IN TRANSITION FROM FOREST TO CROPS.

WEINBERGER P : ECOPHYSIOLOGY AND TOXICOLOGY WITH SPECIAL REFERENCE TO SOILS, SOIL MICROORGANISMS, WATER (FRESH AND ESTUARINE) AQUATIC MICRO AND MACROPHYTES AND SOME TREES INDIGENOUS TO CANADA. FATE TRANSPORT, UPTAKE, EFFECTS ON PHYSIOLOGY AND DEVELOPMENT OF N2-FIXING CYANOBACTERIA, ALGAE, AQUATIC MACROPHYTES AND SOME GYMNOSPERM AND ANGIOSPERM TREE SEEDS.

WHITNEY RD : DAMAGE-APPRAISAL, CAUSAL FUNGI SITE RELATIONSHIPS OF ROOT DISEASES OF CONIFEROUS TREES. CANADIAN ECTOMYCORRHIZAE. PATHOGENICITY OF POLYPORUS-TOMENTOSUS. ACID-RAIN: DISEASE RELATIONSHIPS IN CONIFERS.

TRITIUM

ARNOLD LD : MEASUREMENT OF NATURALLY OCCURRING LEVELS OF TRITIUM & RADIOCARBON IN ENVIRONMENTAL SAMPLES. RESEARCH ON METHODS OF SAMPLE PREPARATION; BACKGROUND COMPENSATION & DATA PROCESSING.

FRITZ P : ENVIRONMENTAL ISOTOPE GEOCHEMISTRY IN RELATION TO WASTE-DISPOSAL, CONTAMINANT STUDIES, HYDROGEOLOGY, QUATERNARY GEOLOGY & PALEONTOLOGY. STABLE ISOTOPE ANALYSES, RADIOCARBON DATING, TRITIUM DETERMINATIONS, GEOCHEMICAL ANALYSES.

TROPHIQUES

PINEL-ALLOUL B : ECOLOGIE-AQUATIQUE; ZOOPLANCTON; INTERACTIONS TROPHIQUES. PHYTOZOOPLANCTON. ECOTOXICOLOGIE: EFFETS DES METAUX-LOURDS ET DES POLLUANTS ASSOCIE AUX SEDIMENTS SUR LE ZOOPLANCTON. ENVIRONNEMENT: EFFETS DE LA MISE EN EAU DES RESERVOIRS NORDIQUES SUR LE ZOOPLANCTON.

TROPHO-DYNAMICS

STOCKNER JG : RESEARCH ON TROPHO-DYNAMICS OF LAKES AND COASTAL MARINE WATERS OF BRITISH-COLUMBIA, SPECIALIZING IN AUTOTROPHIC PRODUCTION AND NUTRIENT DYNAMICS.

TROPICAL

AYLES GB : RESEARCH ON GENETICS OF FISH, FISH CULTURE AND AQUACULTURE. EXPERIENCE IN NORTH TEMPERATE CLIMATES AND SOME TROPICAL CLIMATES. MANAGEMENT OF FRESHWATER AND MARINE FISHERIES AND AQUATIC RESEARCH.

BAWEJA AS : WATER-QUALITY GUIDELINES & CRITERIA; RADIOACTIVITY IN WATER; DISPOSAL OF RADIOACTIVE-WASTES, ESPECIALLY URANIUM TAILINGS & REACTOR SPENT FUEL; SOIL-CHEMISTRY & MINERALOGY; TROPICAL SOILS MANAGEMENT.

KALFF J : AQUATIC ECOLOGY, LIMNOLOGY, MACROPHYTES AND PHYTOPLANKTON, NUTRIENTS, PRODUCTION AND BIOMASS, WATERSHEDS, NUTRIENT AND TOXINS RELATIONSHIPS OF PRIMARY PRODUCTION TO SECONDARY AND FISH PRODUCTION. TROPICAL, TEMPERATE AND ARCTIC LAKES.

NEAME PA : RESEARCH IN NUTRIENT-CYCLING IN AQUATIC-ECOSYSTEMS. EXPERIENCE IN ENVIRONMENTAL-IMPACT-ASSESSMENT AND TROPICAL FISHERIES ECOLOGY.

NEILSON JM : MINERAL EXPLORATION, MINE DEVELOPMENT, MINE-TAILINGS DISPOSAL, SOLID & LIQUID-WASTE DISPOSAL. REGENERATION OF MINED AREAS. REVEGETATION: TEMPERATE & TROPICAL. SURFACE & SUBSURFACE POLLUTION. ACID-RAIN RESEARCH (CANADA & NORWAY). WELL DRILLING: SUBSURFACE WATER-SUPPLY.

TROPICS

SCOTT GAJ : MAN'S IMPACT ON SOIL VEGETATION NUTRIENT SYSTEMS, PARTICULARLY THROUGH DEFORESTATION BY LOGGING OR SHIFTING CULTIVATION IN THE HUMID TROPICS & SUBTROPICS.

TSP

CHUNG YS : LONG-RANGE-TRANSPORT-OF-AIR-POLLUTION (LRTAP). SATELLITE DETECTION OF AIR-POLLUTION, EMISSION OF FOREST FIRES, OZONE, SULPHATE, TSP & CARBON-DIOXIDE.
FOSTER AB : STUDY OF TOTAL SUSPENDED PARTICULATE, DEVELOPMENT & UTILIZATION OF NEW FILTER MEDIUM SUCH AS POLYSTRENE & POLYFLUOROHYDROCARBON MATERIALS. TOXIC METALS IN TSP AND SETTLEABLE PARTICULATE.

TURBINE

LINKERT WG : CHEMICAL-ANALYSIS OF SOP AIR FOR FUMES, SOLVENTS, & DUST ETC; TURBINE EXHAUST FOR NOX, WASTEWATER AND OIL FOR PCB.
SAINTSBURY JA : GAS TURBINE COMBUSTION AND EMISSIONS. RESEARCH AND DEVELOPMENT OF SIMPLE AUTOMOBILE GAS TURBINE COMBUSTORS FOR LOW EMISSIONS. DESIGNING SMALL GAS TURBINE ENGINES FOR LOW NOISE AND CLEAN EXHAUST. ATMOSPHERIC TEST OF A VARIABLE GEOMETRY COMBUSTION FOR LOW EMISSIONS. EMISSIONS RESEARCH ON A SIMPLE VARIABLE GEOMETRY GAS TURBINE COMBUSTOR.
TAYLOR PA : STUDIES OF WIND & TURBULENCE IN THE ATMOSPHERIC BOUNDARY LAYER, ESPECIALLY IN COMPLEX TERRAIN. WIND ENGINEERING APPLICATIONS OF THIS WORK, ESPECIALLY IN WOOD TURBINE SITE SELECTION & EVALUATION. NUMERICAL MODELLING & FIELD OBSERVATIONS.

TURBULENCE

BOSTON NEJ : PHYSICAL OCEANOGRAPHY; AIR & SEA INTERACTION AND TURBULENCE; MICROMETEOROLOGY OIL-SPILL CONTINGENCY-PLANNING; PLANNING AND EXECUTION OF INTERNATIONAL RESEARCH PROGRAMS: TEACHING OF UNDERGRADUATE GRADUATE OCEANOGRAPHY COURSES; DEVELOPMENT OF OCEANOGRAPHY PROGRAMS FOR DEVELOPING-COUNTRIES AND UNIVERSITIES. RESOURCE DATA-BASE DEVELOPMENT. COMPUTERIZED RESOURCE & SENSITIVITY-MAPPING.
KEFFER JF : RESEARCH IN FLUID MECHANICS, HYDRAULICS & TURBULENCE; NATURAL & INDUSTRIAL SITUATIONS. DISPERSION, DIFFUSION, MIXING, METEOROLOGICAL SITUATIONS WITHIN PLANETARY BOUNDARY LAYER. EXPERIMENTAL (LAB & FIELD STUDIES), NUMERICAL MODELLING, WIND EROSION OF MINE-TAILINGS, COAL PILES ETC.
KENNEY BC : PHYSICAL LIMNOLOGY OF PRAIRIE LAKES INCLUDING ASPECTS OF AIR & WATER INTERACTION, MIXING AND TURBULENCE, SEDIMENT RESUSPENSION AND LARGE SCALE LAKE CIRCULATION. EUTROPHICATION AND PHOSPHORUS DYNAMICS MODELS. WATER CIRCULATION UNDER WINTER ICE.
LECLERC M : LAC: CIRCULATION; PHYSIQUE; LAC STRATIFICATION TEMPERATURE; LAC TURBULENCE; LAC BUDGET; BILAN; EQUILIBRE; TURNOVER LAC; LIMNOLOGIE PHYSIQUE.;
MACPHERSON JI : OPERATE NRC TWIN OTTER ATMOSPHERIC RESEARCH AIRCRAFT IN FOLLOWING TYPES OF EXPERIMENTS: WEATHER MODIFICATION, AIR SAMPLING, TURBULENCE RESEARCH, CO2-FLUX MEASUREMENT, ACID-RAIN RESEARCH.
MATHEWS T : ACOUSTIC REMOTE-SENSING OF THE ATMOSPHERE USING MONOSTATIC & DOPPLER RADAR TO MEASURE TURBULENCE & WIND PROFILES TO STUDY CHINOOKS & OTHER MESOSCALE PHENOMENA & TO APPLY TO POLLUTION DISPERSION PROBLEMS.
TAYLOR PA : STUDIES OF WIND & TURBULENCE IN THE ATMOSPHERIC BOUNDARY LAYER, ESPECIALLY IN COMPLEX TERRAIN. WIND ENGINEERING APPLICATIONS OF THIS WORK, ESPECIALLY IN WOOD TURBINE SITE SELECTION & EVALUATION. NUMERICAL MODELLING & FIELD OBSERVATIONS.

TURBULENT

OAKY NS : OCEANOGRAPHY: STUDIES OF TURBULENT MIXING PROCESSES IN THE OCEAN; MEASUREMENT, ANALYSIS & PUBLICATION OF RESULTS ON LEVELS OF MICROSTRUCTURE OF VELOCITY & TEMPERATURE DESIGN OF INSTRUMENTS TO CARRY OUT STUDIES.

ULTRAFILTRATION

WEBER ME : RESEARCH IN REMOVAL OF POLLUTANTS FROM WATER BY FILTRATION ULTRAFILTRATION AND ELECTRICALLY AIDED FILTRATION.

ULTRASONICS

FENTON MB : BEHAVIOUR OF BATS (CHIROPTERA); ECHOLOCATION, SOCIAL INTERACTIONS; FEEDING, CONTROL; COMMUNICATION; ULTRASONICS.

ULTRASOUND

LAST AJ : SPECIAL PROCESS ENERGY APPLICATIONS AND RESEARCH SUCH AS HIGH POWER ULTRASOUND, MICROWAVE, ULTRAVIOLET AND INFRA-RED LIGHT; EMULSIONS, EMULSIFICATION PROCESSES AND EMULSIFIERS; ALSO LIQUID FLOW PROCESSING; IRON ORE BENEFICIATION AND DIRECT REDUCTION OF IRON ORE; POWDER METALLURGY; COMBUSTION AND FUELS IN METALLURGICAL PROCESSING; GASIFICATION AND LIQUEFACTION OF COALS AND BOTH FERROUS AND NON-FERROUS PYROMETALLURGY.

ULTRAVIOLET

BIRKBECK AE : CHARACTERISATION & TREATMENT OF LANDFILL LEACHATE, ODOUR CONTROL AT LANDFILLS. INDUSTRIAL & MUNICIPAL WASTEWATER-TREATMENT, RECLAMATION & RECIRCULATION FOR FISH HATCHERIES. DESIGN & EVALUATION OF SMALL DISINFECTION UNITS, CHLORINE, OZONE & ULTRAVIOLET.

FORER A : REARING OF CRANE FLIES IN THE LABORATORY, ULTRAVIOLET MICROBEAM IRRADIATIONS AT CONTROLLED WAVELENGTHS AND DOSES, AND MECHANISMS OF CHROMOSOME MOVEMENT DURING CELL DIVISION.

LAST AJ : SPECIAL PROCESS ENERGY APPLICATIONS AND RESEARCH SUCH AS HIGH POWER ULTRASOUND, MICROWAVE, ULTRAVIOLET AND INFRA-RED LIGHT; EMULSIONS, EMULSIFICATION PROCESSES AND EMULSIFIERS; ALSO LIQUID FLOW PROCESSING; IRON ORE BENEFICIATION AND DIRECT REDUCTION OF IRON ORE; POWDER METALLURGY; COMBUSTION AND FUELS IN METALLURGICAL PROCESSING; GASIFICATION AND LIQUEFACTION OF COALS AND BOTH FERROUS AND NON-FERROUS PYROMETALLURGY.

UNDERGROUND

BOSSERT JA : EXPLOSIVE ATMOSPHERES CONSISTING OF GASES, VAPOUR AND DUSTS IN AIR; FIRE RESISTANCE OF MATERIALS USED IN CONFINED LOCATIONS (UNDERGROUND MINES), TOXIC EFFECTS OF DIESEL EXHAUST IN CONFINED LOCATIONS & DIESEL EXHAUST TREATMENT DEVICES.

CHANDLER RL : GROUNDWATER CONTAMINATION FROM UNDERGROUND PETROLEUM STORAGE TANKS & INDUSTRIAL SOURCES. SITING & DESIGN OF MUNICIPAL OR INDUSTRIAL WASTEWATER STORAGE-PONDS.

DAINTY ED : DEVELOPMENT OF DIESEL EMISSION REDUCTION DEVICES FOR USE ON UNDERGROUND MINING VEHICLES (SUCH AS FILTERS AND SCRUBBERS), PROMOTION OF RATIONAL DIESEL EMISSIONS TOXICITY CRITERION FOR UNDERGROUND VENTILATION PRESCRIPTION, AND PROMOTION OF THIS CRITERION (AIR-QUALITY INDEX; AQI) FOR RATIONAL SELECTION OF ENGINES AND REDUCTION DEVICES FOR USE UNDERGROUND AND IN OTHER CONFINED ENVIRONMENTS WHERE DIESEL ENGINES ARE EMPLOYED. AMBIENT MONITORING OF DIESEL POLLUTANTS.

UNDERGROWTH

SPRATT ED : RAINFOREST CLEARING IN INDONESIA USING CHEMICAL POISONING OF ECONOMICAL TREES THEN PLANTING FAST-GROWING CREEPING LEGUME VINES TO OVERTAKE THE UNDERGROWTH. P & K FERTILIZERS ARE NEEDED. GRADUAL TAKEOVER OF LEGUMES BY ECONOMICAL CROPS (IE. OIL PALM) USING TOP KILLERS TO CONTROL LEGUME UNDERGROWTH. STOPS SOIL EROSION IN TRANSITION FROM FOREST TO CROPS.

UNEP

BYSTRAM AM : PROVIDES BIBLIOGRAPHIES: ANSWERS TECHNICAL INQUIRIES; MAKES REFERRALS TO ENVIRONMENTAL EXPERTS IN CANADA AND ABROAD. DIRECTOR, NATIONAL FOCAL POINT FOR INFOTERRA, THE INFORMATION REFERRAL SYSTEM OF UNEP.

UNGULATE

STEWART JM : PRODUCTION ACCUMULATION DYNAMICS OF PEATLAND; PEAT-CLASSIFICATION AND INVENTORY TECHNIQUES (REMOTE-SENSING); ECOLOGY OF WILD-RICE. UNGULATE RESPONSE TO HABITAT MANIPULATION; ECOLOGY OF HYDRO TRANSMISSION RIGHTS OF WAY.

URANIUM

ABOUGUENDIA Z : REVEGETATION STUDIES OF LAND DISTURBED BY MINING ACTIVITIES (E.G. URANIUM TAILINGS, COAL SPOILS). ECOLOGICAL BASELINE STUDIES AND ENVIRONMENTAL-IMPACT-ASSESSMENT. RANGE ECOLOGY & PRODUCTIVITY. RESPONSE OF PLANTS TO AIRBORNE POLLUTANTS.

ASHBROOK AW : CORPORATE ENVIRONMENT AFFAIRS. ENVIRONMENTAL AND WASTE-MANAGEMENT POLICY, STRATEGY AND ANALYSIS IN URANIUM MINING, MILLING AND REFINING. DECOMMISSIONING AND CLOSE-OUT OF MINE/MILL FACILITIES; DECOMMISSIONING AND RECLAMATION OF LOW-LEVEL RADIOACTIVE-WASTE MANAGEMENT SITES. WASTE UTILIZATION AND DISPOSAL. R&D STUDIES.

BAWEJA AS : WATER-QUALITY GUIDELINES & CRITERIA; RADIOACTIVITY IN WATER; DISPOSAL OF RADIOACTIVE-WASTES, ESPECIALLY URANIUM TAILINGS & REACTOR SPENT FUEL; SOIL-CHEMISTRY & MINERALOGY; TROPICAL SOILS MANAGEMENT.

URANIUM

BROWN RM : ISOTOPE HYDROLOGY BASED ON VARIATIONS OF ENVIRONMENTAL HYDROGEN, CARBON, OXYGEN, URANIUM ISOTOPES. MEASUREMENT OF ENVIRONMENTAL 3H, 14C. DEVELOPMENT OF SAMPLE PREPARATION TECHNIQUES FOR ACCELERATOR 14C DATING.
CHOMYN BA : GEOLOGY AND GEOCHEMISTRY OF DEEP ROCK DISPOSAL OF HIGH LEVEL RADIOACTIVE-WASTE; MAGNETIC SUSCEPTIBILITY, MEASUREMENTS RELATIVE TO ROCK COMPOSITION AT DEPTH. PREDICTION OF THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH URANIUM TAILINGS WITH TIME MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK BEING EXTENDED TO OTHER TYPES OF TAILINGS.
GARRATT DG : RESEARCH RELATED TO WATER-QUALITY, IMPURITY TRANSPORT IN SURFACE AND GROUNDWATER, URANIUM MINE-MILL DECOMMISSIONING AND RECLAMATION.
HUCK PM : TREATMENT OF DRINKING-WATER (ORGANIC CONTAMINANTS ALTERNATIVE DISINFECTANTS, ACTIVATED CARBON). TREATMENT OF URANIUM MINING & MILLING WASTES (DEVELOPMENT OF A NEW PROCESS FOR RADIUM REMOVAL).
JOHN RD : RESEARCH PROGRAM TO ASSIST GOVERNMENT & INDUSTRY TO ESTABLISH LONG-TERM CLOSE OUT STRATEGIES FOR URANIUM TAILINGS SITE INCLUDING DEVELOPMENT OF A PROBABILISTIC PREDICTIVE MODEL (UTAP).
JOSHI SR : DEVELOPMENT OF METHODS FOR MEASURING RADIONUCLIDE IN THE AQUATIC ENVIRONMENT; IMPACT OF RADIONUCLIDES RELEASED FROM NUCLEAR FACILITIES & URANIUM MINING INDUSTRY ON THE AQUATIC ENVIRONMENT; NUCLEAR TECHNIQUES IN WATER-POLLUTION RESEARCH.
NICHOLSON RV : GEOCHEMICAL MODELLING & GROUNDWATER CONTAMINATION. RESEARCH INCLUDES SULPHIDE MINERAL OXIDATION & ACID GENERATION, CHEMICAL EVOLUTION OF URANIUM MILL-TAILINGS, MODELLING ACID GENERATION, OXYGEN TRANSPORT IN SUBSURFACE (TAILINGS) & EQUILIBRIUM & KINETIC MODELLING OF GEOCHEMICAL PROCESS.
PAGEAU Y : ECONOMIE DES RESSOURCES MINERALES NON-RENOUVELABLE DONT LES RESSOURCES ENERGETIQUES (CHARBON, PETROLE, GAS ET URANIUM). ENERGIE VERSUS ENVIRONNEMENT (TOUTE ECONOMIE D'ENERGIE SE SOLDE EN AMELIORATION DE L' ENVIRONNEMENT.) PREOCCUPATION CONCERNANT L' ENERGIE NUCLEAIRE.
PLATFORD RF : LOW LEVEL RADIOACTIVITY MEASUREMENTS OF URANIUM DAUGHTER PRODUCTS & FALLOUT FROM BOMB TESTS.
RITCEY GM : PROCESS OF URANIUM AND BASE-METAL ORES WHERE THE ENVIRONMENTAL CONSIDERATIONS OF TAILINGS EFFLUENTS WERE CONSIDERED. RECENTLY DEVOTED TO URANIUM AND SULPHIDE TAILINGS, TO PREDICT THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH THE TAILINGS WITH TIME. MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK WILL BE EXTENDED TO MATERIALS TO INHIBIT OXIDATION.
ROBERTSON JA : POLICY ADVISOR TO MINISTRY OF NORTHERN DEVELOPMENT AND MINES ON MATTERS RELATING TO URANIUM. EXPLORATION, MINING RESERVES/RESOURCES, TAILINGS AND WASTE-DISPOSAL. GEOLOGY OF URANIUM DEPOSITS.
SMITHSON GL : ENVIRONMENTAL CHEMICAL AND RADIOCHEMICAL ANALYSIS OF ALL SAMPLE TYPES. SET UP FIRST COMMERICAL RADIOCHEMICAL LAB IN CANADA (1974). ANALYSIS OF ALL CHEMICAL AND ELEMENTAL SPECIES INCLUDING RADIUM, LEAD, POLONIUM, THORIUM AND URANIUM ISOTOPES IN ANY SAMPLE TYPE. RADIOCHEMICAL PROCEDURES MANUAL.
THOMPKINS RW : DEVELOPED A METHOD TO MEASURE RADIOACTIVE CHARACTERISTICS OF URANIUM FROM CORE OR HAND SIZED SPECIMENS OF URANIUM ORES. FROM THESE MEASUREMENTS SAFE ENVIRONMENTAL LIMITS, COMPARATIVE MINE DESIGNS CAN BE MADE & THE ECONOMICS OF MINING ASSESSED EARLY IN THE MINE PLANNING STAGE.
TONES PI : SURFACE WATER-QUALITY OF PRAIRIE RIVERS & RESERVOIRS; IMPACT OF MINING ESPECIALLY URANIUM MINING ON AQUATIC SYSTEMS; DEVELOPMENT OF WATER-QUALITY OBJECTIVES.

URBAIN

COUILLARD D : ASSAINISSEMENT-EAU; EPURATION-EAU; TRAITEMENT-EAUX-USEES; EAUX-USEES; EFFLUENT; RUISSELLEMENT URBAIN; RUISSELLEMENT MUNICIPALITE; BIOINDICATEUR EAU; TOXICITE EAUX-USEES.

URBAINS

JAOUICH A : TERRES AGRICOLES CONTRAINTES GENERALES. PROPRIETES PHYSIQUES, CHIMIQUES, BIOLOGIQUES. PROBLEMES DE TRAITEMENT DE DECHETS-AGRICOLES, INDUSTRIELS ET URBAINS. SYSTEMES DE TRANSPORT ET ENTREPOSAGE DE SUBSTANCES-INFLAMMABLES.

URBAN

ADAMS BJ : WATER-RESOURCES SYSTEMS ANALYSIS: PLANNING, DESIGN, OPERATION AND MANAGEMENT; WATER-QUALITY MANAGEMENT; REGIONAL WASTEWATER MANAGEMENT; APPLICATIONS OF SYSTEMS ANALYSIS (STATISTICAL, SIMULATION, AND OPTIMIZATION) TECHNIQUES TO ENVIRONMENTAL SYSTEMS; RESERVOIR ANALYSIS; HYDROLOGIC MODELLING; STORMWATER MANAGEMENT; FLOOD CONTROL AND DRAINAGE; IRRIGATION; HYDROLOGIC & METEOROLOGIC DATA-ANALYSIS URBAN WATER SYSTEMS.
BRYANT CR : RURAL DEVELOPMENT AND RURAL LAND-USE MANAGEMENT, ESPECIALLY IN RELATION TO AGRICULTURE AND RELATIONSHIPS WITH URBAN SYSTEMS. RURAL INFORMATION-SYSTEMS. RURAL DEVELOPMENT WITHIN REGIONAL DEVELOPMENT. RURAL RESOURCE CONSERVATION.

URBAN

DICK TM : HYDRAULICS RESEARCH RELATED TO THE ENVIRONMENT: RIVER MECHANICS, DISPERSION SEDIMENT TRANSPORT, RIVER ICE, AIR, WATER INTERACTIONS, WAVE GENERATION, COASTAL ENGINEERING, SEDIMENTOLOGY, URBAN WATER-RESOURCES.
DONALDSON GR : URBAN LAND-USE PLANNING. URBAN WILDLAND PARKS.
DRAKE JJ : SPATIAL AND TEMPORAL VARIATIONS OF METAL PRECIPITATION IN URBAN AREAS VARIABILITY OF HYDROLOGIC RECORDS ENVIRONMENTAL-IMPACT OF NORTHERN MINING KARST HYDROCHEMISTRY.
ENGLISH M : DETERMINATION THROUGH AIRCRAFT MEASUREMENTS OF THE TRANSPORT, DIFFUSION & TRANSFORMATION RATES OF SULPHUR & NITRIC-OXIDES EMITTED FROM OIL-SANDS EXTRACTION PLANTS IN NORTHERN ALBERTA. STUDY OF THE EFFECT OF URBAN AIR-QUALITY ON VISIBILITY.
GOYETTE DE : MARINE ENVIRONMENTAL-IMPACT-ASSESSMENT AND POLLUTION-CONTROL; INDUSTRIAL AND MUNICIPAL DISCHARGES, PACIFIC COAST. SPECIFIC STUDIES ON THE PHYSICAL, CHEMICAL AND BIOLOGICAL IMPACTS OF MINE-TAILINGS AND EFFLUENTS FROM PULP-MILLS; TISSUE TRACE-METALS; MONITORING AND REGULATION COMPLIANCE; ENVIRONMENTAL-IMPACT-ASSESSMENT; PORT & HARBOURS; BIOLOGICAL EFFECTS OF ORGANIC CONTAMINANTS AND URBAN WASTES.
GRIMA AP : WATER-DEMAND ESTIMATION, PARTICULARLY URBAN & RESIDENTIAL. ENERGY-CONSERVATION POLICIES. INSTITUTIONAL INSTRUMENTS FOR ENVIRONMENTAL-QUALITY. PUBLIC INVOLVEMENT IN ENVIRONMENTAL-IMPACT-ASSESSMENT, AND CLIMATE IMPACT-ASSESSMENT.
HAGE KD : AIR-POLLUTION IN SMALL VALLEYS; URBAN AIR-POLLUTION; DESTRUCTIVE WINDS IN ALBERTA, SASKATCHEWAN; MICROMETEOROLOGY, MESOMETEOROLOGY.
HEINKE GW : PHYSICAL AND CHEMICAL WATER AND WASTEWATER-TREATMENT. ARCTIC ENVIRONMENTAL-ENGINEERING. URBAN INFRASTRUCTURE STUDIES.
JAMES PC : POPULATION ECOLOGY OF THE MERLIN-FALCO-COLUMBARIUS; LONG-TERM STUDY OF ON URBAN POPULATION IN SASKATOON. CHICKS BANDED & ADULTS TRAPPED EACH YEAR. ALLOWS DATA ON AGE STRUCTURE, TURNOVER & MORTALITY RATE ETC.
JAMES W : URBAN HYDROLOGY, STORMWATER MANAGEMENT, FIELD INSTRUMENTATION, COMPUTER-MODELLING, STORM MODELS WATER-QUALITY MODELLING.
JORGENSEN E : SILVICULTURE, ARBORICULTURE AND AGROFORESTRY WITH AN EMPHASIS ON URBAN FORESTRY SPECIES SELECTION, CULTURAL TECHNIQUES AND DISEASE CONTROL.
KELLEY DG : ASSESSMENT & CONTROL OF HUMAN ACTIVITIES WHICH POSE ENVIRONMENTAL THREATS SUCH AS ACID-RAIN, TOXIC-CHEMICALS & HAZARDOUS-WASTES. SPECIFIC ACTIVITIES INCLUDE URBAN, INDUSTRIAL AND TRANSPORT.
KRUSHELNICKI BW : RURAL LAND ECONOMICS. COUNTRYSIDE PLANNING. URBAN & REGIONAL PLANNING ADMINISTRATION. LOCAL GOVERNMENT.
MACARTHUR JD : SILVICULTURE: MIXED HARDWOOD FORESTS; FOREST-PLANTATIONS. FOREST-MANAGEMENT: SPECIAL CHARACTERISTICS OF PRIVATE WOODLANDS. URBAN FORESTRY: SELECTION & CARE OF ORNAMENTAL TREES & SHRUBS & BIOLOGICAL & ENVIRONMENTAL PROBLEMS OF URBAN VEGETATION.
MAGILL BL : DEVELOPMENT AND IMPLEMENTATION OF AN AIR-QUALITY AND CLIMATOLOGY RESEARCH PROGRAM. RESEARCH WILL BE DIRECTED TOWARDS AIR-QUALITY CONCERNS INVOLVING SOUR GAS FLARING, FUGITIVE AND UNCONTROLLED EMISSIONS FROM INDUSTRIAL SOURCES URBAN AIR-QUALITY AND CLIMATE CHANGE AND VARIABILITY.
MARSALEK J : CHARACTERIZATION OF CONTRIBUTIONS OF URBAN LAND RUNOFF TO THE POLLUTION OF RECEIVING WATERS, FIELD AND COMPUTER-SIMULATION STUDIES OF SUCH CONTRIBUTIONS.
MCLELLAN AG : CENTRAL SCOTLAND: URBAN, INDUSTRIAL LAND REHABILITATION. GLACIAL GEOMORPHOLOGY IN SCOTLAND. AGGREGATE RESOURCES & EXTRACTION IN SCOTLAND.
MULAMOOTTIL G : WETLAND ECOLOGY; LAND-USE AND ENCROACHMENTS IMPACTING ON WETLANDS; URBAN DRAINAGE PROBLEMS FOCUSSING ON STORMWATER MANAGEMENT; DETENTION FACILITIES; ENVIRONMENTAL-IMPACT-ASSESSMENTS RELATED TO WATER-RESOURCES.
NASH PHJ : ALTERNATIVE FUTURE ENVIRONMENTS. ADMINISTRATION & MANAGEMENT OF URBAN & REGIONAL PLANNING. THEORIES & METHODS OF APPLICATION OF GEOGRAPHIC THOUGHT. COMPARATIVE EPISTEMOLOGIES: TYPES, GOALS, CLASSIFICATION, CATEGORIES VIA COUNTRIES & SUBJECT MATTER. POLICY IMPLICATIONS OF AREAL STUDIES.
ROBERTSON ID : LAND-USE PLANNING WESTERN & NORTHERN CANADA. SINGLE INDUSTRY RESOURCE TOWNS. ENVIRONMENTAL-IMPACT-ASSESSMENT PLANNING FOR MEGA-PROJECTS (PETROCHEMICALS, PIPELINES). URBAN REDEVELOPMENT. CITY PLANNING.
THOMPSON JAJ : BIOGEOCHEMISTRY OF HEAVY-METALS RELATED TO INDUSTRIAL SOURCES: MINES, URBAN CENTRES. CHEMISTRY OF METAL BINDING PROTEINS. CHEMISTRY OF THERMAL VENT ORGANISMS.
WALLER DH : URBAN STORMWATER QUALITY AND QUANTITY. NON-POINT SOURCE POLLUTION. URBAN RESEARCH WATERSHEDS. RAIN-WATER CISTERN SYSTEMS. ON-SITE SEWAGE DISPOSAL.
WARDLAW RL : THE EARTH'S SURFACE WIND IS SIMULATED IN LABORATORY WIND-TUNNELS FOR STUDYING URBAN WIND CLIMATE PROBLEMS AND THE EFFECT OF WIND ON BUILDINGS, BRIDGES, SURFACE VEHICLES AND OFFSHORE STRUCTURES.
WOTTON DL : LEAD: DEPOSITION & ACCUMULATION IN URBAN SOILS, SMELTER EMISSIONS, EXHAUST, PAINT RESIDUES. FOREST: EFFECTS FROM MINING SMELTERS ON VEGETATION & SOIL. NORTHERN BOREAL-FOREST ECOSYSTEMS, CONIFEROUS REGENERATION IMPACTS FROM HEAVY-METAL CONTAMINATED SOILS. SOIL & GEOLOGY SENSITIVITY MAPPING FOR ACID-RAIN. HERBICIDES.
YOUNG M : BACTERIAL POLLUTION OF SURFACE-WATERS & SEDIMENTS FROM FECAL (URBAN & RURAL) & INDUSTRIAL SOURCES; ANALYSIS & INTERPRETATION. DISPOSAL OF PATHOLOGICAL WASTE.

URBANIZATION

URBANIZATION

INSTITUTE FOR ENVIRONMENTAL STUDIE : ENVIRONMENTAL-MANAGEMENT INCLUDING ENVIRONMENTAL PERCEPTION, GREAT-LAKES ECOSYSTEMS REHABILITATION, CLIMATE IMPACT-ASSESSMENT IMPACT OF THIRD-WORLD URBANIZATION, RISK-ASSESSMENT, IMPACTS OF ACID-RAIN AND METALS ON BIOLOGICAL SYSTEMS, MODELLING PATHWAYS OF TOXIC SUBSTANCES, ENVIRONMENTAL-TOXICOLOGY.

KRUEGER RR : URBANIZATION OF FRUITLANDS (OKANAGAN-VALLEY, BRITISH-COLUMBIA & NIAGARA-FRUIT-BELT). RESPONSE OF QUEBEC ORCHARD-INDUSTRY TO LOW TEMPERATURE HAZARD.

VANADIUM

HOLDWAY DA : FISH-TOXICOLOGY: CHRONIC & ACUTE EFFECTS OF PESTICIDES (METHOXYCHLOR, PERMETHRIN), HERBICIDES (GLYPHOSATE), & METALS (VANADIUM) ON SURVIVAL, GROWTH & REPRODUCTION OF FLAGFISH & WHITE SUCKERS; EFFECTS ON BRAIN NEUROTRANSMITTERS & BIOENERGETICS. DEVELOPED TECHNIQUE FOR MEASURING DIMETHYL-SULFIDE AT PARTS PER TRILLION LEVELS IN FRESHWATER.

LEE K : EVALUATION & DESIGN OF METHODS TO ENHANCE THE BIODEGRADATION OF PETROLEUM IN THE MARINE ENVIRONMENT. EFFECTS OF OIL DISPERSANTS ON MICROORGANISMS (BACTERIA & PHYTOPLANKTON). EFFECTS OF VANADIUM ON PHYTOPLANKTON PHYSIOLOGY & ECOLOGY.

VANCOUVER-ISLAND

GAGNON D : VEGETATION ENVIRONMENT RELATIONSHIPS WITH APPLICATIONS TO FOREST-MANAGEMENT (REPLANTING), IN SOUTHWESTERN QUEBEC AND VANCOUVER-ISLAND, BRITISH-COLUMBIA. ECOLOGY AND DEMOGRAPHY OF PERENNIAL FOREST HERBS.

VAPOUR

BOSSERT JA : EXPLOSIVE ATMOSPHERES CONSISTING OF GASES, VAPOUR AND DUSTS IN AIR; FIRE RESISTANCE OF MATERIALS USED IN CONFINED LOCATIONS (UNDERGROUND MINES), TOXIC EFFECTS OF DIESEL EXHAUST IN CONFINED LOCATIONS & DIESEL EXHAUST TREATMENT DEVICES.

VAPOURS

TSUCHIYA Y : ANALYSIS OF GASES AND VAPOURS RELEASED FROM BUILDING MATERIALS AT ROOM TEMPERATURE AND UNDER PYROLYSIS CONDITIONS. THE ANALYTICAL TOOLS USED ARE A GC/MS, MS/MS, HPLC AND IC

VDT'S

NERI LC : ENVIRONMENTAL-POLLUTION, INDOOR-AIR, VDT'S & REPRODUCTIVE EPIDEMIOLOGY, LEAD, MAGNESIUM & HEART-DISEASE. CONDUCT OF EPIDEMIOLOGICAL-STUDIES, CRITICAL REVIEWS OF LITERATURE, DESIGN OF INVESTIGATIONS.

VECTOR

FAULKNER P : MOLECULAR GENETICS OF INSECT BACULOVIRUSES. PHYSICAL MAPPING OF BACULOVIRUS GENOMES. USE OF THE BACULOVIRUS AS AN EXPRESSION VECTOR OF FOREIGN DNA. MOLECULAR BASIS OF VIRUS VIRULENCE AND HOST RANGE.

VEGETABLE

CHENG HH : BIOLOGY, POPULATION-DYNAMICS, CHEMICAL AND BIOLOGICAL CONTROL OF INSECTS ATTACKING TOBACCO AND PEANUT CROPS; ASSESSMENT OF CROP LOSSES. WITHOUT THE USE OF INSECTICIDES. INTEGRATED PEST-MANAGEMENT FOR VEGETABLE AND FRUIT CROPS.

HADZIYEV D : OILSEED TECHNOLOGY & CEREAL SCIENCE, FRUIT & VEGETABLE PROCESSING; USE OF YAM & OTHER STARCHES IN BREADMAKING; POTATO PROCESSING: CHEMISTRY & BIOCHEMISTRY ASPECTS (PRESERVATION) OF VITAMINS, FLAVORING CONSTITUENTS, TAILORING OF OIL UPTAKE, STICKINESS IN DEHYDRATED MASHED POTATOES). CEREALS EXTENSION.

HEALE EL : DEVELOPMENT OF WOODY TREES AND SHRUBS ON TAILINGS; TRACE-ELEMENTS (ESPECIALLY NICKEL AND COPPER). EFFECTS ON VEGETATION; EXPERIMENTS UTILIZING WASTE GEOTHERMAL HEAT ENERGY FOR THE PRODUCTION OF GREENHOUSE VEGETABLE AND FORESTRY CROPS; INVESTIGATION, NEGOTIATION AND SETTLEMENT OF CLAIMS FOR VEGETATION DAMAGE.

MAURER AR : EXTENSION OF THE VEGETABLE GROWING SEASON BY: SELECTION OF COLD TOLERANT CULTIVARS; OVERWINTERING OF CROPS IN THE FIELD AND USE OF CROP PROTECTANTS SUCH AS FLOATING MULCHES, PLASTIC-TUNNELS ETC.

STEVENSON AB : INTEGRATED PEST-MANAGEMENT OF VEGETABLE INSECT PESTS WITH EMPHASIS ON INSECTS ATTACKING CROPS.

VEGETABLE

SZETO SY : TRANSLOCATION, METABOLISM AND DEGRADATION OF PESTICIDES IN SOIL AND IN VEGETABLE AND SMALL FRUIT CROPS; CHEMICAL ASPECTS OF NATURAL ATTRACTANTS OF THESE CROPS TO INSECT PESTS. PUBLICATIONS AVAILABLE.

VEGETABLES

KURYS JG : TOXICOLOGICAL EVALUATION OF VOLATILE CHEMICALS IN AMBIENT AIR FOR EFFECTS USING HUMAN FAT & MILK; BOVINE-FAT & MILK; PORCINE-FAT & AVIAN SPECIES FOR RESIDUE ANALYSIS; RAW MILK; RAW & TREATED WATER; SOIL & VEGETABLES. SECOND PART OF RESEARCH CARRIED OUT ON METABOLIC PROCESSES AND THEIR MODE OF ACTION.

REYES AA : SOIL MICROBIOLOGY, ESPECIALLY FUNGI CAUSING ROOT ROTS AND WILTS OF VEGETABLES. MY CONCERN IS TO AVOID THE USE OF CHEMICALS FOR THEIR CONTROL. RESEARCH ALSO ON STORAGE PATHOLOGY OF VEGETABLES, E.G. PREVENTION OF SOFT ROTS BY SUPPLYING STORAGE CHAMBERS WITH DIFFERENT COMBINATIONS OF GASES.

STUSHNOFF C : COLD STRESS, PLANT BREEDING, FRUIT CROPS. GENE RESOURCES & CRYOPRESERVATION; STRAWBERRIES, APPLES, BLUEBERRIES, GENERAL HORTICULTURE INCLUDING VEGETABLES, POTATOES.

VEGETATION

ACHUFF PL : RESEARCH & INVENTORY STUDIES IN PLANT ECOLOGY VEGETATION DESCRIPTION & ANALYSIS; NATURAL RESOURCE INVENTORY AND MONITORING, CONSERVATION ECOLOGY & MANAGEMENT; PARKS, ECOLOGICAL RESERVES & NATURAL AREAS.

BARCLAY-ESTRUP P : VEGETATION, SOIL, AIR-POLLUTION INTERRELATIONSHIPS, ESPECIALLY BRYOPHYTES AND LICHENS, ACID-PRECIPITATION AND HEAVY-METAL ACCUMULATIONS. GENERAL PLANT ECOLOGY.

CROWDER A : UPTAKE OF METALS BY WETLAND PLANTS. IRON PLAQUES ON ROOTS. INVENTORY OF VEGETATION IN EUTROPHIC & OTHER WETLANDS. IMPACT-ASSESSMENT PARTICULARLY OF PARK USAGE, HERBARIUM CURATOR.

DUNCAN CE : AIR-QUALITY & PRECIPITATION QUALITY MONITORING, ACID-RAIN MATHEMATICAL-MODELLING, METEOROLOGY, CONTROL & PROCESS TECHNOLOGY, HAZARDOUS CONTAMINANTS, STANDARD SETTING & REGULATION, SOURCE ASSESSMENT & MEASUREMENTS, VEHICLE EMISSIONS, SOILS & VEGETATION ASSESSMENT, PLANT PATHOLOGY EMERGENCY RESPONSE.

GAGNON D : VEGETATION ENVIRONMENT RELATIONSHIPS WITH APPLICATIONS TO FOREST-MANAGEMENT (REPLANTING), IN SOUTHWESTERN QUEBEC AND VANCOUVER-ISLAND, BRITISH-COLUMBIA. ECOLOGY AND DEMOGRAPHY OF PERENNIAL FOREST HERBS.

GREEN JE : ENVIRONMENTAL CONSULTING FIRM SPECIALIZING IN APPLIED RESEARCH INVOLVING WILDLIFE POPULATIONS AND WILDLIFE HABITAT. AREAS OF EXPERTISE INCLUDE VEGETATION AND HABITAT ASSESSMENTS, HABITAT EVALUATION MODELLING, BIOLOGICAL MONITORING, BEHAVIOURAL AND DISTURBANCE STUDIES OF WILDLIFE, RECLAMATION PLANNING, WILDLIFE HABITAT ENHANCEMENT AND RECLAMATION, AND PROTECTION PLANNING.

HARRIS SA : USE OF PERMAFROST LANDS; MAPPING OF PERMAFROST; SOILS, LANDFORMS & VEGETATION OF ALPINE & PERMAFROST AREAS; ENVIRONMENTAL EFFECTS OF DISTURBANCE OF ALPINE & PERMAFROST ENVIRONMENTS. ENVIRONMENTAL EFFECTS OF CLIMATIC CHANGES.

HEALE EL : DEVELOPMENT OF WOODY TREES AND SHRUBS ON TAILINGS; TRACE-ELEMENTS (ESPECIALLY NICKEL AND COPPER). EFFECTS ON VEGETATION; EXPERIMENTS UTILIZING WASTE GEOTHERMAL HEAT ENERGY FOR THE PRODUCTION OF GREENHOUSE VEGETABLE AND FORESTRY CROPS; INVESTIGATION, NEGOTIATION AND SETTLEMENT OF CLAIMS FOR VEGETATION DAMAGE.

HOLLAND WD : ECOLOGICAL LAND-CLASSIFICATION & FOREST SITE-CLASSIFICATION INCLUDING LAND FORM, SOIL AND VEGETATION RESOURCE COMPONENTS.

JEGLUM JK : WETLAND AND PEATLAND CLASSIFICATION AND ECOLOGY; BLACK-SPRUCE REGENERATION; SILVICULTURE; VEGETATION AND FLORISTICS OF BOREAL-FORESTS; SUCCESSION AND DYNAMICS OF BOREAL-FORESTS.

KEDDY PA : ENVIRONMENTAL FACTORS REGULATING SPECIES COMPOSITION IN WETLANDS VEGETATION. HUMAN IMPACTS ON WETLAND VEGETATION. STATUS OF RARE AND OR ENDANGERED-PLANTS (WETLANDS). TECHNIQUES EMPHASIZE EXPERIMENTS CONDUCTED UNDER FIELD CONDITIONS - ' EXPERIMENTAL COMMUNITY ECOLOGY'.

LINZON SN : EFFECTS OF AIR-POLLUTANTS INCLUDING ACID-RAIN ON VEGETATION. RESULTS OF STUDIES ARE USED TO CONTROL EMISSIONS AT SOURCES.

LOUIE RH : BIOPHYSICAL SURVEYS (SOILS, SURFICIAL GEOLOGY, VEGETATION, WILDLIFE HABITAT, CLIMATE), LAND USE IN BRITISH-COLUMBIA & APPLICATIONS FOR AGRICULTURE, FORESTRY, WILDLIFE, WATER, FISH & OTHER LAND USE PLANNING, ASSESSMENT AND MONITORING. BASE MAP PRODUCTION (TOPOGRAPHIC, PLANIMETRIC AND CADASTRAL). REMOTE-SENSING.

MACARTHUR JD : SILVICULTURE: MIXED HARDWOOD FORESTS; FOREST-PLANTATIONS. FOREST-MANAGEMENT: SPECIAL CHARACTERISTICS OF PRIVATE WOODLANDS. URBAN FORESTRY: SELECTION & CARE OF ORNAMENTAL TREES & SHRUBS & BIOLOGICAL & ENVIRONMENTAL PROBLEMS OF URBAN VEGETATION.

MAUN MA : POPULATION-DYNAMICS AND PHYSIOLOGICAL ECOLOGY OF VEGETATION ON LAKE HURON SAND-DUNES, INSECT & PLAN INTERACTIONS ON SAND-DUNE SYSTEMS. RECOLONIZATION OF SAND-DUNE SYSTEMS.

MCILVEEN WD : ASSESSMENT OF ENVIRONMENTAL CONTAMINANT EFFECTS INCLUDING ACID-RAIN ON TERRESTRIAL SYSTEMS (VEGETATION & SOIL) FOR PURPOSES OF PROVINCIAL ABATEMENT STRATEGY. PRACTICAL FIELD & LABORATORY PROBLEM SOLVING RESEARCH.

VEGETATION

MORRISON IK : RESEARCH INTO EFFECTS OF ACID-RAIN ON FOREST BIOGEOCHEMISTRY, ESPECIALLY EFFECTS ON FOREST PRODUCTIVITY; RESEARCH INTO SOIL CHEMICAL CHANGES EFFECTED BY ACID-RAIN ARTIFICIALLY SUPPLIED; EFFECTS OF TOXIC HEAVY-METALS ON VEGETATION GROWTH.

MURTHA PA : REMOTE-SENSING & PHOTO INTERPRETATION: APPLICATION OF AERIAL-PHOTOGRAPHY, MULTISPECTRAL SCANNER, IMAGERY AND SATELLITE DATA FOR VEGETATION DAMAGE ASSESSMENT (INSECTS, DISEASE, AIR-POLLUTION) OR LAND-CLASSIFICATION AND TERRAIN ANALYSIS; COLOUR-INFRARED PHOTOGRAPHS; PC BASED IMAGE-ANALYSIS LANDSAT.

OSWALD ET : VEGETATION CLASSIFICATION AND MAPPING, PLANT ECOLOGY, FOREST RESOURCE ANALYSES AND ENVIRONMENTAL-IMPACT-ASSESSMENTS IN NORTH AND WEST CANADA, EXPERTISE IN VEGETATION CLASSIFICATION, SITE-ANALYSIS, PLANT-SUCCESSION, WETLANDS AND REMOTE-SENSING.

PHILLIPS SF : VEGETATION & SOIL STUDIES TO DETERMINE DEGREE & EXTENT OF ENVIRONMENTAL-CONTAMINATION & EFFECTS ON TERRESTRIAL-ECOSYSTEMS. DIRECT & INDIRECT EFFECTS OF HEAVY-METALS & SULPHUR-DIOXIDE FROM NON-FERROUS METAL SMELTERS ON BOREAL-FOREST ECOSYSTEMS; MONITOR LRTAPS, WOOD PRESERVATIVE CHEMICALS.

REID RH : MAPPING TECHNICIAN SPECIALIZING IN THE CANADA LAND INVENTORY PROGRAM SOIL, TERRAIN, WILDLIFE, VEGETATION & OTHER RESOURCE MAPPING.

RENNIE PJ : PRODUCTIVITY OF TERRESTRIAL-ECOSYSTEMS, ESPECIALLY NORTHERN BOREAL-FOREST ENVIRONMENTS IN RELATION TO SOIL NUTRITIONAL-STATUS, CLIMATIC CHARACTERISTICS AND PERTURBATION-EFFECTS. PARTICULAR INTERESTS INCLUDE MINERAL CYCLING. FOREST FERTILIZATION AND AIRBORNE POLLUTANT EFFECTS ON SOILS AND VEGETATION.

SCOTT GAJ : MAN'S IMPACT ON SOIL VEGETATION NUTRIENT SYSTEMS, PARTICULARLY THROUGH DEFORESTATION BY LOGGING OR SHIFTING CULTIVATION IN THE HUMID TROPICS & SUBTROPICS.

SHAW GG : DETERMINING THE CONCENTRATION OF SULPHUR, METALS & PESTICIDES IN SOIL, AIR, WATER, VEGETATION & ANIMALS & THE EFFECTS OF THOSE CHEMICALS & ELEMENTS ON PLANTS & ANIMALS THROUGH EXPERIMENTS & STATISTICAL-ANALYSIS.

SIMS RA : VEGETATION AND SITE-CLASSIFICATION OF BOREAL-FORESTS, SUBARCTIC WETLAND AND ARCTIC TUNDRA AREAS. FOREST-ECOSYSTEM CLASSIFICATION OF BOREAL NORTHERN ONTARIO. REMOTE-SENSING FOR VEGETATION STUDY; MAPPING AND INVENTORY (USING SATELLITE AND AERIAL-PHOTO DATA).

SMITH DW : THE DYNAMICS OF NATURAL VEGETATION AND THE EFFECT OF ANTHROPOGENIC-STRESSES ON VEGETATION.

SUFFLING RC : BOREAL-FOREST ECOLOGY, QUANTITATIVE ANALYSIS OF LANDSCAPES, FIRE HISTORY; ENVIRONMENTAL-IMPACT-ASSESSMENT OF RESOURCE DEVELOPMENTS; UTILITY CORRIDOR VEGETATION MANAGEMENT.

TERASMAE J : QUATERNARY GEOLOGY, PALYNOLOGY, PALEAECOLOGY, GEOCHRONOLOGY (RADIO-CARBON DATING), TREE-RING STUDIES; GEOCHEMISTRY, SEDIMENTOLOGY OF LAKE SEDIMENTS (PALEOLIMNOLOGY) & PEAT DEPOSITS FOR STRATIGRAPHIC-CORRELATION PALEOENVIRONMENTAL ANALYSIS (INCLUDING CLIMATE CHANGE, VEGETATION HISTORY & HUMAN ACTIVITIES).

TIMS AJS : ACID-PRECIPITATION MONITORING; PROVINCIAL NETWORK DATA. OZONE MONITORING USING BIOMONITORS. LICHEN & MOSS BIOASSIMILATION OF TRACE-METALS & POLLUTANTS. RESPONSE TO PUBLIC COMPLAINTS OF AIR-POLLUTION INJURY TO VEGETATION.

WARREN HV : TRACE-ELEMENTS IN VEGETATION, SOILS, AND THEIR RELATION TO CONTAMINATION OF THE ENVIRONMENT, EPIDEMIOLOGY, AND MINERAL EXPLORATION.

WELCH W : PLANT ECOLOGY, WETLAND FOREST SUCCESSION, PLANT SUCCESSION FOLLOWING RIGHT OF WAY CONSTRUCTION, VEGETATION MANAGEMENT ON ELECTRICAL TRANSMISSION RIGHTS OF WAY, VEGETATION INVENTORIES, COAL FLY-ASH RECLAMATION AND EROSION CONTROL.

WOTTON DL : LEAD: DEPOSITION & ACCUMULATION IN URBAN SOILS, SMELTER EMISSIONS, EXHAUST, PAINT RESIDUES. FOREST: EFFECTS FROM MINING SMELTERS ON VEGETATION & SOIL, NORTHERN BOREAL-FOREST ECOSYSTEMS, CONIFEROUS REGENERATION IMPACTS FROM HEAVY-METAL CONTAMINATED SOILS. SOIL & GEOLOGY SENSITIVITY MAPPING FOR ACID-RAIN. HERBICIDES.

VEGETATIONAL

ROUSE WR : INTERACTION OF CLIMATE & SEA ICE IN HUDSON & JAMES BAYS. MODELLING CLIMATIC, HYDROLOGIC & VEGETATIONAL RELATIONS IN THE COASTAL SALT MARSHES. PREDICTING THE ENVIRONMENTAL-IMPACT OF RIVER DAMS & DIVERSION & CLIMATIC MODIFICATION IN JAMES-BAY & HUDSON BAY.

VEHICLES

DAINTY ED : DEVELOPMENT OF DIESEL EMISSION REDUCTION DEVICES FOR USE ON UNDERGROUND MINING VEHICLES (SUCH AS FILTERS AND SCRUBBERS), PROMOTION OF RATIONAL DIESEL EMISSIONS TOXICITY CRITERION FOR UNDERGROUND VENTILATION PRESCRIPTION, AND PROMOTION OF THIS CRITERION (AIR-QUALITY INDEX; AQI) FOR RATIONAL SELECTION OF ENGINES AND REDUCTION DEVICES FOR USE UNDERGROUND AND IN OTHER CONFINED ENVIRONMENTS WHERE DIESEL ENGINES ARE EMPLOYED. AMBIENT MONITORING OF DIESEL POLLUTANTS.

WARDLAW RL : THE EARTH'S SURFACE WIND IS SIMULATED IN LABORATORY WIND-TUNNELS FOR STUDYING URBAN WIND CLIMATE PROBLEMS AND THE EFFECT OF WIND ON BUILDINGS, BRIDGES, SURFACE VEHICLES AND OFFSHORE STRUCTURES.

VELOCITY

OAKY NS : OCEANOGRAPHY: STUDIES OF TURBULENT MIXING PROCESSES IN THE OCEAN; MEASUREMENT, ANALYSIS & PUBLICATION OF RESULTS ON LEVELS OF MICROSTRUCTURE OF VELOCITY & TEMPERATURE DESIGN OF INSTRUMENTS TO CARRY OUT STUDIES.

VENTILATION

BOWEN RP : RESEARCH TO PROVIDE THE KNOWLEDGE BASE REQUIRED FOR THE DESIGN AND OPERATION OF BUILDING SERVICES INCLUDING VENTILATION AND AIR MOVEMENT, SMOKE CONTROL IN TALL BUILDINGS, LIGHTING AND ADVANCED TECHNOLOGY IN BUILDINGS AS WELL AS FOR THE DESIGN OF THE BUILDING ENVELOPE FOR THE CONTROL OF HEAT, AIR AND MOISTURE.

DAINTY ED : DEVELOPMENT OF DIESEL EMISSION REDUCTION DEVICES FOR USE ON UNDERGROUND MINING VEHICLES (SUCH AS FILTERS AND SCRUBBERS), PROMOTION OF RATIONAL DIESEL EMISSIONS TOXICITY CRITERION FOR UNDERGROUND VENTILATION PRESCRIPTION, AND PROMOTION OF THIS CRITERION (AIR-QUALITY INDEX; AQI) FOR RATIONAL SELECTION OF ENGINES AND REDUCTION DEVICES FOR USE UNDERGROUND AND IN OTHER CONFINED ENVIRONMENTS WHERE DIESEL ENGINES ARE EMPLOYED. AMBIENT MONITORING OF DIESEL POLLUTANTS.

VISWANATHAN S : PARTICULATE MEASUREMENT AND CONTROL, ODOUR MEASUREMENT AND CONTROL, TRACE-ELEMENT MEASUREMENT, DISPERSION MODELLING, INDUSTRIAL-HYGIENE MEASUREMENTS, HEATING AND VENTILATION, HAZARDOUS-WASTE AUDITS.

VERTEBRATES

WEAVER RS : MANAGEMENT OF RESEARCH IN THE FOLLOWING AREAS: AIR, WATER AND SOIL-ANALYSES; EFFECTS OF ENVIRONMENTAL-CONTAMINANTS IN AIR, WATER AND SOIL ON PLANTS, WILDLIFE AND DOMESTIC ANIMALS, AQUATIC VERTEBRATES AND INVERTEBRATES, AND MICRO-ORGANISMS; HAZARDOUS-WASTE DISPOSAL.

VIBRIOS

CLARK AG : AQUATIC VIBRIOS, SURVIVAL TOXIGENESIS & VARIATION IN VIRULENCE. HYDROCARBON DEGRADATION & SURFACTANT PRODUCTION IN MIXED & PURE CULTURES. MICROBIAL DEGRADATION OF WATER POLYMER BASED PAINT: PAINT ANTIMICROBIALS.

VINES

SPRATT ED : RAINFOREST CLEARING IN INDONESIA USING CHEMICAL POISONING OF ECONOMICAL TREES THEN PLANTING FAST-GROWING CREEPING LEGUME VINES TO OVERTAKE THE UNDERGROWTH. P & K FERTILIZERS ARE NEEDED. GRADUAL TAKEOVER OF LEGUMES BY ECONOMICAL CROPS (IE. OIL PALM) USING TOP KILLERS TO CONTROL LEGUME UNDERGROWTH. STOPS SOIL EROSION IN TRANSITION FROM FOREST TO CROPS.

VIROLOGICAL

MCLEAN DM : ARBOVIRUS FIELD AND LABORATORY INVESTIGATIONS IN ARCTIC CANADA. MICROBIOLOGICAL (VIROLOGICAL) STANDARDS FOR ENVIRONMENTAL WATERS (FRESH AND MARINE).

VIRUCIDES

WALLBANK AM : ANTISEPTICS, DISINFECTANTS, VIRUCIDES, BIOCIDES, SPORICIDES, Q-FEVER-COXIELLA BURNETII AS BIOHAZARDS, AND DECONTAMINATION OF ENDOSCOPES.

VIRUS

PAYMENT P : QUALITE MICROBIOLOGIQUE DE L' EAU (BACTERIES, VIRUS, PARASITES); EFFETS SUR LA SANTE; NORMES DE QUALITE-DE-L'EAU.

ROZEE KR : ENVIRONMENTAL CHEMICAL ENHANCERS OF VIRUS INFECTIONS PUBLIC-HEALTH AND ENVIRONMENTAL CHEMICALS. EPIDEMIOLOGY OF VIRUS INFECTIONS IN NORTHERN CLIMATES.

SATTAR SYED A : IMPACT OF VIRAL POLLUTION ON HUMAN HEALTH; SURVIVAL OF VIRUSES IN WATER, SOIL & THE ATMOSPHERE; DEVELOPMENT OF TECHNIQUES FOR VIRUS RECOVERY FROM THE ENVIRONMENT.

VALERO JR : LUTTE MICROBIOLOGIQUE CONTRE LES INSECTES NUISIBLES. APPLICATION OPERATIONNELLE DE BACILLUS THURINGIENSIS POUR LE CONTROLE DES LEPIDOPTERES UTILISATION DES VIRUS ENTOMOPATHOGENES, EN PARTICULIER LES BACULOVIRUS POUR LA REPRESSION A COURT ET A LONG TERMES DES INSECTES. PATHO-BIOCHIMIE DES INSECTES.

VIRUSES

CUNNINGHAM JC : PRACTICAL USE OF VIRUSES FOR CONTROL OF FOREST-INSECT PESTS; FORMULATION & APPLICATION OF VIRAL INSECTICIDES; PRODUCTION OF VIRUSES USING HOST INSECT LARVAE. REGISTRATION OF VIRAL INSECTICIDES & COMMERCIALIZATION OF BIOCONTROL PRODUCTS.

SATTAR SYED A : IMPACT OF VIRAL POLLUTION ON HUMAN HEALTH; SURVIVAL OF VIRUSES IN WATER, SOIL & THE ATMOSPHERE; DEVELOPMENT OF TECHNIQUES FOR VIRUS RECOVERY FROM THE ENVIRONMENT.

VITAMIN

RAO SS : MICROBIOLOGICAL WATER-QUALITY OF GREAT LAKES & ACID-STRESSED LAKES. MICROBIAL BIODEGRADATION. MICROBIAL TOXICITY SCREENING. MICROBIOLOGY OF SEWAGE. INDUSTRIAL-WASTES. MICROBES & ENVIRONMENTAL STRESS. DIAGNOSTIC ENTERIC BACTERIOLOGY. TOXIC METAL, MICROBES ASSOCIATION. ACTIVATED SLUDGE & VITAMIN B12.

VITAMINS

HADZIYEV D : OILSEED TECHNOLOGY & CEREAL SCIENCE, FRUIT & VEGETABLE PROCESSING; USE OF YAM & OTHER STARCHES IN BREADMAKING; POTATO PROCESSING: CHEMISTRY & BIOCHEMISTRY ASPECTS (PRESERVATION) OF VITAMINS, FLAVORING CONSTITUENTS, TAILORING OF OIL UPTAKE, STICKINESS IN DEHYDRATED MASHED POTATOES). CEREALS EXTENSION.

WALLEYE

HURLEY DA : ECOLOGICAL STUDIES IN EUTROPHIC WATERS; ROLE OF PREDATOR PREY INTERACTIONS IN SHAPING ECOSYSTEMS; BIOENERGETICS OF WALLEYE, YELLOW-PERCH; TRENDS IN FISH SPECIES ASSOCIATIONS OVER TIME.

LIAW WK : LIMNOLOGICAL AND FISHERIES INVESTIGATIONS; ASSESSMENT OF FISH-STOCKS; AQUATIC ENVIRONMENTAL-IMPACT-ASSESSMENT; LAKE WATER-QUALITY AND TROPHIC STATUS ASSESSMENT; CULTURE OF FISH FINGERLINGS (WALLEYE AND WHITEFISH).

WASTE

CHIA CJ : MERCURY POLLUTION, WASTE ALKYLATION ACID, WASTE SULPHATE SOLUTION FROM CHLORALKALI PLANT. AMMONIA CONDENSATES & THEIR TREATMENT AND OR RECOVERY.

CREPIN J : PHYTOTOXIC EFFECTS OF HAZARDOUS-WASTES GENERATED BY THE OIL & NATURAL-GAS INDUSTRIES. CHEMICAL CHARACTERIZATION OF THESE WASTES. RECLAMATION OF WASTE TREATED SITES.

ERRINGTON JC : ADMINISTER MINE RECLAMATION ACTIVITY IN BRITISH-COLUMBIA. SOME RESEARCH CONDUCTED ON PLANT SPECIES SUITABILITY ON MINE WASTE MATERIAL. RESEARCH COMMISSIONED ON COSTS & BENEFITS OF WASTE DUMP RESLOPING & OF USING VALLEY ROCK DRAINS.

FORRESTAL BJ : REDUCTION, REUSE, RECYCLE, RECOVERY, EXCHANGE OF INDUSTRIAL-WASTES. REPORTS ON FOOD AND METAL FINISHING INDUSTRIES. LANDFILL GAS GENERATION. REGULATION COMPLIANCE CONSULTING AND TESTING. ENVIRONMENTAL SURVEYS. ONTARIO WASTE EXCHANGE OPERATION. NOVEL WASTE-TREATMENT USING PEAT.

GEMMILL DA : AIR-POLLUTION CONTROL (SOURCE SAMPLING & INDUSTRIAL SOURCE CONTROL). WASTEWATER-TREATMENT, WASTE POLLUTION CONTROL.

GOODINGS WD : USE OF QUARRIES & LINERS FOR LANDFILLS, ENERGY FROM WASTE OPPORTUNITIES; PRIVATE SECTOR FINANCING & OPERATION OF WASTE-MANAGEMENT SYSTEMS; HAZARDOUS-WASTE CLEANUP; PUBLIC PARTICIPATION PROGRAMS FOR SITING CONTROVERSIAL FACILITIES (LANDFILLS, INCINERATORS, HIGHWAYS).

HEALE EL : DEVELOPMENT OF WOODY TREES AND SHRUBS ON TAILINGS; TRACE-ELEMENTS (ESPECIALLY NICKEL AND COPPER). EFFECTS ON VEGETATION; EXPERIMENTS UTILIZING WASTE GEOTHERMAL HEAT ENERGY FOR THE PRODUCTION OF GREENHOUSE VEGETABLE AND FORESTRY CROPS; INVESTIGATION, NEGOTIATION AND SETTLEMENT OF CLAIMS FOR VEGETATION DAMAGE.

HUGHES FP : USE OF BIOMASS, PARTICULARLY WOOD-FIRED DUAL-PURPOSE POWER STATIONS USING WASTE HEAT FOR DISTRICT HEATING. WIND AS A POWER SOURCE.

IREDALE DG : FRESHWATER FISH PRODUCT & PROCESS DEVELOPMENT INCLUDING CURED, CANNED, FORMULATED & WASTE BY-PRODUCTS. RESOURCE DEVELOPMENT INITIATIVES UNDER FISHERIES DEVELOPMENT PROGRAM TO ENHANCE VALUE & MORE EFFICIENT UTILIZATION OF FRESHWATER FISH; TECHNOLOGICAL & ECONOMIC DEVELOPMENT OF INLAND & ARCTIC FISHING INDUSTRY.

KHAN AW : ANAEROBIC CONVERSION OF CELLULOSIC WASTE OBTAINED FROM FORESTRY, AGRICULTURE, FARM, PAPER AND FOOD INDUSTRY AS WELL AS INDUSTRIAL AND MUNICIPAL SOLID-WASTE, TO FUELS AND CHEMICAL FEED STOCK.

MARSAN A : IMPACT-ASSESSMENT, RISK-ANALYSIS, RESOURCE INVENTORIES AND SITE ROUTE SELECTION STUDIES FOR INDUSTRIES, PORTS, TRANSMISSION LINES ETC. DESIGNED & IMPLEMENTED DECONTAMINATION WASTE & WATER-TREATMENT PROJECTS.

MCEWEN TJ : FOOD-PROCESSING TECHNOLOGY, FOOD WASTE RECOVERY AND UTILIZATION, PROCESS WATER-QUALITY.

MOSELHY MM : ENVIRONMENTAL RESEARCH PLANNING. POLICY ANALYSIS. AIR, WATER, WASTE POLLUTION ANALYSIS; EFFECTS. ANALYTICAL-CHEMISTRY. ATOMIC EMISSION SPECTROSCOPY MULTIELEMENTAL ANALYSIS.

PETERS TH : UTILIZATION OF WASTE HEAT FOR FOOD & FOREST TREE-SEEDLING PRODUCTION.

WASTE

PIMENTA JA : SAMPLING & ANALYSIS OF INDUSTRIAL & DOMESTIC WASTE & LANDFILL MATERIALS FOR HAZARDOUS INORGANIC COMPONENTS. WASTE CHARACTERIZATION & CLASSIFICATION FOR REGULATORY PURPOSES.
ROMANO LS : CHEMICAL ENGINEERING. MINING AND COMBUSTION CONTROL; HEAVY CHEMICAL INDUSTRY TECHNICAL DEVELOPMENT MANAGEMENT. SEWAGE AND WASTE CONTROL EXPERIENCE. FIRST CHEMICAL-PHYSICAL S.T.P. AND AERATED COMPOST FACILITY IN CANADA.
WAN JKS : DISPOSAL OF CHEMICAL WASTE BY NOVEL MICROWAVE INDUCED CATALYTIC TECHNIQUES; DESTRUCTION OF PCBS. SOME OF OUR WORK HAS BEEN PUBLISHED IN OPEN AND PATENT LITERATURE. CURRENT RESEARCH USING THE MICROWAVE INDUCED CATALYTIC TECHNIQUES INCLUDES THE REMOVAL OF SULPHUR GASES IN INDUSTRIAL ENVIRONMENT.
YOUNG M : BACTERIAL POLLUTION OF SURFACE-WATERS & SEDIMENTS FROM FECAL (URBAN & RURAL) & INDUSTRIAL SOURCES; ANALYSIS & INTERPRETATION. DISPOSAL OF PATHOLOGICAL WASTE.

WASTE-DISPOSAL

CERDICI WJ : EVALUATING GROUNDWATER CONTAMINATION FROM WASTE-DISPOSAL FACILITIES & INDUSTRIAL PLANTS. DESIGN OF GROUNDWATER MONITORING SYSTEMS, COLLECTION & INTERPRETATION OF MONITORING DATA.
DODD DJR : CONTROL OF GAS, LIQUID, SOLID-EMISSIONS FROM THERMAL & NUCLEAR GENERATING STATIONS IN ONTARIO. FOCUS ON FLY-ASH & ACID-GAS CONTROL SYSTEM WASTE-DISPOSAL LEACHING BEHAVIOUR. ACID-GAS CONTROL TECHNOLOGIES.
DUNFORD WE : ENVIRONMENTAL & SAFETY ASSESSMENTS OF NUCLEAR FUEL WASTE-DISPOSAL CONCEPTS.
FRITZ P : ENVIRONMENTAL ISOTOPE GEOCHEMISTRY IN RELATION TO WASTE-DISPOSAL, CONTAMINANT STUDIES, HYDROGEOLOGY, QUATERNARY GEOLOGY & PALEONTOLOGY. STABLE ISOTOPE ANALYSES, RADIOCARBON DATING, TRITIUM DETERMINATIONS, GEOCHEMICAL ANALYSES.
HUGHES GM : GROUNDWATER CONTAMINATION AND WASTE-DISPOSAL.
ROBERTSON JA : POLICY ADVISOR TO MINISTRY OF NORTHERN DEVELOPMENT AND MINES ON MATTERS RELATING TO URANIUM. EXPLORATION, MINING RESERVES/RESOURCES, TAILINGS AND WASTE-DISPOSAL. GEOLOGY OF URANIUM DEPOSITS.
SIMPSON KJ : HAZARDOUS-WASTE MANAGEMENT: SITE SELECTION, PUBLIC PARTICIPATION, NEEDS STUDIES, FEASIBILITY STUDIES, TECHNOLOGY ASSESSMENT, SITE DEVELOPMENT, LEGISLATION. SOLID-WASTE MANAGEMENT, RECYCLING, INCINERATION, LANDFILLS, WASTE-DISPOSAL.

WASTE-INCINERATORS

LOMBARD WK : DESIGN OF COMBUSTION & WASTE-INCINERATORS.
MILLER PB : COMBUSTION EQUIPMENT; WASTE-INCINERATORS; HEAT RECOVERY; SNOWMELTER EQUIPMENT.

WASTE-MANAGEMENT

ASHBROOK AW : CORPORATE ENVIRONMENT AFFAIRS. ENVIRONMENTAL AND WASTE-MANAGEMENT POLICY, STRATEGY AND ANALYSIS IN URANIUM MINING, MILLING AND REFINING. DECOMMISSIONING AND CLOSE-OUT OF MINE/MILL FACILITIES; DECOMMISSIONING AND RECLAMATION OF LOW-LEVEL RADIOACTIVE-WASTE MANAGEMENT SITES. WASTE UTILIZATION AND DISPOSAL. R&D STUDIES.
CULLEY JLB : FARM WASTE-MANAGEMENT INCLUDING STORAGE & DISPOSAL. SOIL QUALITY & PRODUCTIVITY AS AFFECTED BY CROPPING PRACTICES.
GOODINGS WD : USE OF QUARRIES & LINERS FOR LANDFILLS, ENERGY FROM WASTE OPPORTUNITIES; PRIVATE SECTOR FINANCING & OPERATION OF WASTE-MANAGEMENT SYSTEMS; HAZARDOUS-WASTE CLEANUP; PUBLIC PARTICIPATION PROGRAMS FOR SITING CONTROVERSIAL FACILITIES (LANDFILLS, INCINERATORS, HIGHWAYS).
HANSEN KJ : WASTE-MANAGEMENT RELATED TO FLUE-GAS DESULPHURIZATION AND AIR-POLLUTION FROM COAL FIRE THERMAL ELECTRICAL POWER STATIONS.
HARRIS IWE : TECHNOLOGY, ENGINEERING AND REGULATIONS RELATING TO OCCUPATIONAL-HEALTH, WASTE-MANAGEMENT (AIR, WATER, LAND) AND PRODUCT LIABILITY. SYNTHETIC ELASTOMERS AND RESINS.
HRUDEY SE : INDUSTRIAL WASTE-MANAGEMENT, PETROLEUM, ORGANIC CHEMICAL, OIL-SANDS, FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION CONTROL; WATER RECLAMATION AND REUSE; HAZARDOUS TOXIC-WASTE, MANAGEMENT, DISPOSAL; INDUSTRIAL BIOTECHNOLOGY; ANAEROBIC TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT; RISK-ASSESSMENT; HAZARD IDENTIFICATION CONTROL.
LANG RS : ENVIRONMENTAL & SOCIAL IMPACT-ASSESSMENT. INTEGRATED LAND AND WATER PLANNING. WASTE-MANAGEMENT PLANNING. INTEGRATED RESOURCE-MANAGEMENT. PLANNING THEORY & PRACTICE.
MAKHIJA R : METHOD DEVELOPMENT IN METALLURGICAL EFFLUENTS, AIR-MONITORING, CHEMICAL AUDIT, IDENTIFICATION OF TOXIC-CHEMICALS AND THEIR ANALYSIS, WASTE-MANAGEMENT STUDIES INCLUDING, SEMINARS, WORKSHOPS; SPILL CONTROL, HAZARDOUS-WASTE METHODS DEVELOPMENT, OCCUPATIONAL-HEALTH AND SAFETY, LANDFILL MONITORING, WATER-QUALITY, SOLID-WASTE SAMPLING AND ANALYSIS.
NURSALL JR : ECOLOGY OF CORAL-REEFS, ESPECIALLY FISHES; STRUCTURE AND EVOLUTION OF FISHES; SCIENTIFIC POLICY; WASTE-MANAGEMENT.

WASTE-MANAGEMENT

ODA A : PREPARE GUIDELINES FOR TREATMENT & DISPOSAL OF SOLID ORGANIC-WASTES ON AGRICULTURAL LANDS. DEVELOP EXPERTISE ON WASTE-MANAGEMENT TECHNIQUES RELATED TO PHYSICAL & CHEMICAL TREATMENT, SOLIDIFICATION, MEMBRANE SEPARATION ETC. INVESTIGATE METHODS FOR THE MANAGEMENT OF LEACHATE FROM MUNICIPAL LANDFILL SITES.
ROWSELL JA : CONSULTANT IN TERRESTRIAL-ECOLOGY: BIOCHEMICAL DYNAMICS; REMOTE-SENSING DATA-ANALYSIS; PHYTOTOXICOLOGY; INDUSTRIAL WASTE-MANAGEMENT; LAND APPLICATION OF WASTES; ENVIRONMENTAL-IMPACT-ASSESSMENT; ECOLOGICAL LAND-CLASSIFICATION; PEATLAND BIOLOGY; FLORA, FAUNA SURVEYS.
SEIF F : ORGANIC-CHEMISTRY. ENVIRONMENTAL-PROTECTION PARTICULARLY RELATED TO AIR AND WASTE-MANAGEMENT. ENVIRONMENTAL-MANAGEMENT: R&D ENVIRONMENTAL SCIENCES; ENVIRONMENTAL-AUDITING.
SIMS MP : PROVINCIAL RESEARCH PROGRAMS ON ACID-DEPOSITION, AIR-QUALITY & CLIMATE, RECLAMATION, WATER-RESOURCES; WATER-TREATMENT & WASTE-MANAGEMENT, ENVIRONMENTAL CONTAMINANTS. INTERESTS IN RISK-ASSESSMENT, BIOTECHNOLOGY & LAND RESOURCE INVENTORY.
WILSON MA : MANAGES RESEARCH AND DEVELOPMENT PROJECTS ON POLLUTION-CONTROL TECHNOLOGY; SPECIFICALLY IN WATER AND WASTEWATER-TREATMENT, WASTE-MANAGEMENT AND ATMOSPHERIC EMISSION CONTROL. AREAS OF WORK INCLUDE PULP-AND-PAPER, SOUR-GAS AND HAZARDOUS-WASTE DISPOSAL.
WOOD AG : PROTECTION OF HEALTH OF EMPLOYEES IN APPLICATION OF INDUSTRIAL-HYGIENE PRINCIPLES. DEVELOPMENT OF MATERIAL SAFETY DATA SHEETS AND TOXICOLOGY SUMMARIES FOR SYNTHETIC RUBBERS. COORDINATION OF WASTE-MANAGEMENT PROGRAMS AND MONITORING OF GOVERNMENTAL REGULATIONS.
ZACH R : EFFECTS OF RADIATION ON THE ENVIRONMENT. MOVEMENT OF RADIONUCLIDES IN THE ENVIRONMENT. NUCLEAR FUEL, WASTE-MANAGEMENT, ENVIRONMENTAL-ASSESSMENT. EFFECTS OF RADIATION ON BIRDS. ECOLOGY.

WASTE-REUSE

SHARP DS : ENVIRONMENTAL-HEALTH MANAGEMENT, PUBLIC-HEALTH EXPERIENCE IN DEVELOPING AND MONITORING WATER-SUPPLY AND SANITATION RESEARCH PROPOSALS. THE TOPICS COVERED ARE: TECHNOLOGY DEVELOPMENT, SOCIAL AND MANAGEMENT STUDIES, HEALTH IMPACT STUDIES, WASTE-REUSE RESEARCH, AND MANPOWER DEVELOPMENT PROJECTS.

WASTE-SITE

LAWRENCE GR : RESOURCE EXPLORATION AND PRODUCTION SUPPORT, GROUNDWATER AND WASTE-SITE EVALUATION, WEATHER MODIFICATION AND METEOROLOGICAL SERVICES, REMOTE-SENSING AND BIOPHYSICAL STUDIES. PETROLEUM ENGINEERING, HYDROGEOLOGICAL, ATMOSPHERIC AND BIOPHYSICAL ASSESSMENTS.
SIBUL U : WASTE-SITE INVENTORY & EVALUATION STUDIES IN ONTARIO. WASTE-SITE CLASSIFICATION. ACTIVE & CLOSED WASTE-SITE PROBLEM IDENTIFICATION & STUDIES.

WASTE-TREATMENT

ABBOTT FS : BIOTECHNOLOGY; APPLICATIONS TO WASTE-TREATMENT AND POLLUTION-CONTROL. BIODEGRADATION.
DAVIS E : BIOLOGICAL WASTE-TREATMENT FOR DOMESTIC AND INDUSTRIAL APPLICATIONS. PREVENTION OR REDUCTION OF TOTAL TRIHALOMETHANES BY MEANS APPLICABLE TO UNSOPHISTICATED WATER-TREATMENT PLANTS. ENVIRONMENTAL-IMPACT-ASSESSMENT TECHNIQUES MICRO COMPUTER BASED.
FORRESTAL BJ : REDUCTION, REUSE, RECYCLE, RECOVERY, EXCHANGE OF INDUSTRIAL-WASTES. REPORTS ON FOOD AND METAL FINISHING INDUSTRIES. LANDFILL GAS GENERATION. REGULATION COMPLIANCE CONSULTING AND TESTING. ENVIRONMENTAL SURVEYS. ONTARIO WASTE EXCHANGE OPERATION. NOVEL WASTE-TREATMENT USING PEAT.
GANCZARCZYK JJ : APPLICATION OF ACTIVATED SLUDGE PROCESS FOR TREATMENT OF SEWAGE & INDUSTRIAL-EFFLUENTS, INHIBITION OF NITRIFICATION, PHYSICAL BEHAVIOUR OF BIOLOGICAL FLOCS, ROLE OF SOLID SURFACE IN SUSPENDED GROWTH TREATMENT, ESTIMATION OF BIOMASS PRODUCTION & HAZARDOUS WASTE-TREATMENT & DISPOSAL.
HRUDEY SE : INDUSTRIAL WASTE-MANAGEMENT, PETROLEUM, ORGANIC CHEMICAL, OIL-SANDS, FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION CONTROL; WATER RECLAMATION AND REUSE; HAZARDOUS TOXIC-WASTE, MANAGEMENT, DISPOSAL; INDUSTRIAL BIOTECHNOLOGY; ANAEROBIC TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT; RISK-ASSESSMENT; HAZARD IDENTIFICATION CONTROL.
LIU D : ENVIRONMENTAL-TOXICOLOGY, PARTICULARLY TOXICITY & BIODEGRADATION ASSESSMENT; WATER-QUALITY STANDARDS; BIOTECHNOLOGY APPLICATION IN WASTE-TREATMENT & DISPOSAL.
MITCHELL H : WATER AND WASTE-TREATMENT. MUNICIPAL AND INDUSTRIAL PROCESSES.
ROBEY HL : INDUSTRIAL LIQUID AND SOLID WASTE-TREATMENT AND RECOVERY. WET AIR OXIDATION AND HIGH TEMPERATURE & PRESSURE CYANIDE HYDROLYSIS PROCESS APPLICATIONS RESEARCH. PROCESS DESIGN AND START-UP OF FULL SCALE SYSTEMS.
SLATER GP : DETERMINATION OF VOLATILE ORGANIC-COMPOUNDS (POLLUTANTS OR NATURALLY OCCURRING) IN WATER. DETERMINATION OF VOLATILE PLANT PRODUCTS. ANALYSIS BY GAS-CHROMATOGRAPHY, MASS-SPECTROSCOPY. AGRICULTURE WASTE-TREATMENT.

WASTES

GOUDEY JS : PHYSIOLOGICAL & BIOCHEMICAL RESPONSES OF PLANTS TO ENVIRONMENTAL STRESSES (AGRICULTURAL & INDUSTRIAL WASTES).

GOYETTE DE : MARINE ENVIRONMENTAL-IMPACT-ASSESSMENT AND POLLUTION-CONTROL; INDUSTRIAL AND MUNICIPAL DISCHARGES, PACIFIC COAST. SPECIFIC STUDIES ON THE PHYSICAL, CHEMICAL AND BIOLOGICAL IMPACTS OF MINE-TAILINGS AND EFFLUENTS FROM PULP-MILLS; TISSUE TRACE-METALS; MONITORING AND REGULATION COMPLIANCE; ENVIRONMENTAL-IMPACT-ASSESSMENT; PORT & HARBOURS; BIOLOGICAL EFFECTS OF ORGANIC CONTAMINANTS AND URBAN WASTES.

HUCK PM : TREATMENT OF DRINKING-WATER (ORGANIC CONTAMINANTS ALTERNATIVE DISINFECTANTS, ACTIVATED CARBON). TREATMENT OF URANIUM MINING & MILLING WASTES (DEVELOPMENT OF A NEW PROCESS FOR RADIUM REMOVAL).

IVARSON KC : STUDY THE TRANSFORMATION OF IRON & MANGANESE BY SOIL MICROBES; THE RELEASE OF ELEMENTS FROM MINING ORES BY MICROBES; THE PRODUCTION OF PROTEIN & ALCOHOL FROM WASTES BY MICROBES.

KARAU JH : NATIONAL MANAGER OF THE OCEAN DUMPING CONTROL ACT (ODCA) PROGRAM WHICH REGULATES THE DISPOSAL OF WASTES AT SEA THROUGH A SYSTEM OF PERMITS.

KENNEDY KJ : RESEARCH IN CONVERSION OF INDUSTRIAL AND AGRICULTURAL WASTES TO METHANE IN ADVANCED ANAEROBIC REACTOR SYSTEMS.

MYSLICKI JJ : RECYCLING OF WASTES: ACTIVITIES AND PROJECTS ON AT-SOURCE SEPARATION, REDUCTION, RECOVERY AND RECYCLING.

PATNI NK : AGRICULTURAL AND RELATED WASTES. FARM POLLUTION ABATEMENT.

REID KW : MANAGEMENT, BEHAVIOUR & ENVIRONMENTAL-IMPACT OF POTASH MINING WASTES. MEASUREMENT & CONTROL OF THE WORK ENVIRONMENT IN POTASH MINING.

ROBERTSON W : DETECTION AND IDENTIFICATION OF INDICATOR AND PATHOGENIC MICROORGANISMS IN FRESH AND MARINE WATERS. FERMENTATION OF CROP AND WOOD WASTES TO PRODUCE RUMINANT FEEDS. UTILIZATION OF MYCORRHIZAL FUNGI TO INCREASE CROP PRODUCTIVITIES.

ROWSELL JA : CONSULTANT IN TERRESTRIAL-ECOLOGY: BIOCHEMICAL DYNAMICS; REMOTE-SENSING DATA-ANALYSIS; PHYTOTOXICOLOGY; INDUSTRIAL WASTE-MANAGEMENT; LAND APPLICATION OF WASTES; ENVIRONMENTAL-IMPACT-ASSESSMENT; ECOLOGICAL LAND-CLASSIFICATION; PEATLAND BIOLOGY; FLORA, FAUNA SURVEYS.

TOROSSIAN H : METHOD DEVELOPMENT FOR MEASUREMENT OF ATMOSPHERIC-POLLUTANTS. SOURCE TESTING FOR STACK GAS & PARTICULATE EMISSIONS. DESIGN AND SELECTION OF EQUIPMENT FOR AIR-POLLUTION ABATEMENT. MANAGEMENT OF PCB WASTES.

WASTEWATER

ADAMS BJ : WATER-RESOURCES SYSTEMS ANALYSIS: PLANNING, DESIGN, OPERATION AND MANAGEMENT; WATER-QUALITY MANAGEMENT; REGIONAL WASTEWATER MANAGEMENT; APPLICATIONS OF SYSTEMS ANALYSIS (STATISTICAL, SIMULATION, AND OPTIMIZATION) TECHNIQUES TO ENVIRONMENTAL SYSTEMS; RESERVOIR ANALYSIS; HYDROLOGIC MODELLING; STORMWATER MANAGEMENT; FLOOD CONTROL AND DRAINAGE; IRRIGATION; HYDROLOGIC & METEOROLOGIC DATA-ANALYSIS URBAN WATER SYSTEMS.

CHANDLER RL : GROUNDWATER CONTAMINATION FROM UNDERGROUND PETROLEUM STORAGE TANKS & INDUSTRIAL SOURCES. SITING & DESIGN OF MUNICIPAL OR INDUSTRIAL WASTEWATER STORAGE-PONDS.

DART FJ : POTABLE-WATER: CONTROL OF EXCESS INORGANICS PARTICULARLY BY SEQUESTRATION TECHNIQUES; CHEMICAL-ANALYSIS INTERPRETATION; CORROSION, FOULING AND CONTAMINANT SOURCE ASSESSMENTS; PURIFICATION ALTERNATIVES; CHEMISTRY ASSESSMENTS OF WASTEWATER, INDUSTRIAL-WASTES AND LANDFILL.

FINCH GR : RESEARCH IN WASTEWATER-TREATMENT TECHNOLOGIES. EXPERTISE IN WASTEWATER LAGOON DESIGN, OPERATION & MAINTENANCE. TERTIARY TREATMENT OF WASTEWATER WITH OZONE, ESPECIALLY DISINFECTION MODELLING.

KNETTIG E : ANAEROBIC BIODEGRADATION OF CHLOROPHENOLS. DECHLORINATION OF DIFFERENT ISOMERS & POSSIBLE MINERALIZATION. ACTIVATED CARBON ADSORPTION OF ORGANICS FOR TREATING WASTEWATER EFFLUENTS & DRINKING-WATER.

KOSARIC N : BIOCHEMICAL AND FOOD ENGINEERING. WASTEWATER MANAGEMENT. NEW PROCESS AND PRODUCT DEVELOPMENT RELATED TO ENERGY, FOOD, SPECIALTY CHEMICALS AND ENVIRONMENT.

LANDINE RC : CONSULTING ENGINEERING FIRM WHICH HAS DEVELOPED EXPERTISE IN LOW RATE ANAEROBIC-WASTEWATER-TREATMENT OF INDUSTRIAL WASTEWATER, BIOGAS COLLECTION, BIOGAS HANDLING, BIOGAS UTILIZATION & FLOATING MEMBRANE COVER TECHNOLOGY.

LINKERT WG : CHEMICAL-ANALYSIS OF SOP AIR FOR FUMES, SOLVENTS, & DUST ETC; TURBINE EXHAUST FOR NOX, WASTEWATER AND OIL FOR PCB.

LOMAS H : RESEARCH RELATED TO ENVIRONMENTAL PROBLEMS: DEVELOPMENT OF BIODEGRADABLE-DETERGENTS; SUBSTITUTION FOR PHOSPHATES IN DETERGENTS; RECYCLING OF WASTEWATER & FLOCCULATION OF PAPER FINES IN PAPER MILL EFFLUENTS.

MOON KS : SURFACE CHEMISTRY IN WASTEWATER CLEANING, DESULPHURIZATION OF COAL, MINERAL PROCESSING, FLOCCULATION, FILTRATION, DEWATERING, SETTLING AND DRYING; CRYSTAL CHEMISTRY IN SURFACTANT ADSORPTION AND DESORPTION; AND VARIOUS SOLUTION CHEMISTRY OF ORGANICS AND INORGANIC MATERIALS.

SHEWCHUK P : WASTEWATER MANAGEMENT. INDUSTRIAL PERFORMANCE STANDARDS. WATER-QUALITY RELATED ISSUES.

SLIWINSKI JF : FIRM SPECIALIZES IN PROVIDING ANALYTICAL SERVICES IN ENVIRONMENTAL CHEMISTRY OF GROUND, SURFACE & WASTEWATER, SOILS, SEDIMENTS, BIOTA & AIR SAMPLES AIR SAMPLES. CONDUCTS RESEARCH INTO IMPROVING MEASURING EQUIPMENT, METHODS, PROTOCOLS AND DATA-MANAGEMENT.

WASTEWATER

SMITH DW : OZONE TREATMENT OF WATER AND WASTEWATER. COLD REGIONS ENVIRONMENTAL-ENGINEERING. SCALE UP OF WATER AND WASTEWATER-TREATMENT PROCESSES. DISINFECTION. MIXING AND MICROORGANISMS IN RIVERS.

WASTEWATER-TREATMENT

BIRKBECK AE : CHARACTERISATION & TREATMENT OF LANDFILL LEACHATE. ODOUR CONTROL AT LANDFILLS. INDUSTRIAL & MUNICIPAL WASTEWATER-TREATMENT. RECLAMATION & RECIRCULATION FOR FISH HATCHERIES. DESIGN & EVALUATION OF SMALL DISINFECTION UNITS. CHLORINE, OZONE & ULTRAVIOLET.
BRANDES M : ONSITE WASTEWATER-TREATMENT OF DISPOSAL SYSTEMS.
DROSTE RL : THEORY AND DESIGN OF WATER AND WASTEWATER-TREATMENT SYSTEMS. APPROPRIATE TECHNOLOGIES FOR WATER-SUPPLY AND SANITATION IN DEVELOPING-COUNTRIES.
FINCH GR : RESEARCH IN WASTEWATER-TREATMENT TECHNOLOGIES. EXPERTISE IN WASTEWATER LAGOON DESIGN, OPERATION & MAINTENANCE. TERTIARY TREATMENT OF WASTEWATER WITH OZONE, ESPECIALLY DISINFECTION MODELLING.
GEHR R : WATER & WASTEWATER-TREATMENT, SPECIFICALLY POLYELECTROLYTE USAGE, CHARACTERIZATION & INTERACTIONS; PHOSPHORUS REMOVAL; STATISTICAL-ANALYSIS OF BIODEGRADATION & RIVER QUALITY DATA; ATTACHED VS SUSPENDED GROWTH PROCESSES.
GEMMILL DA : AIR-POLLUTION CONTROL (SOURCE SAMPLING & INDUSTRIAL SOURCE CONTROL). WASTEWATER-TREATMENT, WASTE POLLUTION CONTROL.
HEINKE GW : PHYSICAL AND CHEMICAL WATER AND WASTEWATER-TREATMENT. ARCTIC ENVIRONMENTAL-ENGINEERING. URBAN INFRASTRUCTURE STUDIES.
HOWARD TE : INDUSTRIAL-HYGIENE. ENVIRONMENTAL HEALTH STUDIES. AIR-POLLUTION STUDIES: IMPACT OF AIR EMISSIONS, ACID-RAIN, ODOUR CONTROL. MODELLING ATMOSPHERIC DISPERSION OF AIR-POLLUTANTS. WATER STUDIES. UPTAKE OF METALS BY AQUATIC ORGANISMS. BIOASSAYS. WASTEWATER-TREATMENT. REMOTE-SENSING. LANDFILL LEACHATE CONTROL.
JONES PH : STUDY, DESIGN AND OPERATION OF BIOLOGICAL WASTEWATER-TREATMENT. SOLID-WASTE MANAGEMENT. TOXIC AND HAZARDOUS-CHEMICALS. CHEMICAL-ACCIDENTS. ENVIRONMENTAL HEALTH IMPACT-ASSESSMENT. BIOLOGICAL REMOVAL ON PHOSPHORUS AND NITROGEN.
RAMALHO RS : WASTEWATER-TREATMENT PROCESSES. REMOVAL OF TOXIC ELEMENTS OR COMPOUNDS FROM WASTEWATERS BY ADSORPTION PROCESSES. ANAEROBIC-WASTEWATER-TREATMENT OF HIGH BOD BY UPFLOW ANAEROBIC SLUDGE-BLANKET REACTORS.
ROBINSON JE : TECHNICAL ECONOMIC & POLICY RESEARCH ON WATER-DEMAND MANAGEMENT & ON INTEGRATING SUPPLY & DEMAND MANAGEMENT OF WATER & WASTEWATER-TREATMENT AT LOCAL, REGIONAL & NATIONAL LEVELS.
SERODES J : SEDIMENTATION AND DREDGING IN RIVERS AND ESTUARIES. WATER-QUALITY; SEDIMENT-QUALITY; DRINKING-WATER AND WASTEWATER-TREATMENT, IMPACT-ASSESSMENT ON AQUATIC-ECOSYSTEMS.
SMITH DW : OZONE TREATMENT OF WATER AND WASTEWATER. COLD REGIONS ENVIRONMENTAL-ENGINEERING. SCALE UP OF WATER AND WASTEWATER-TREATMENT PROCESSES. DISINFECTION. MIXING AND MICROORGANISMS IN RIVERS.
SNODGRASS WJ : RESEARCH INTO SEDIMENT WATER TRANSFER OF CONTAMINANTS (CHLORINATED ORGANICS, HEAVY-METALS, RADIONUCLIDES, ALKALINITY). WATER & WASTEWATER-TREATMENT PROCESSES. RADIOLOGICAL IMPACT OF NUCLIDE RELEASES.
THIRUMURTHI D : LOW COST WASTEWATER-TREATMENT FOR DEVELOPING NATIONS; LAGOONS AND PONDS; WATER-TREATMENT AND ANAEROBIC TREATMENT OF SANITARY LANDFILL LEACHATE.
TOWNSHEND AR : COLD CLIMATE NORTHERN & RURAL ENVIRONMENTAL ENGINEERING TECHNOLOGIES FOR THE PROTECTION OF THE ENVIRONMENT & QUALITY OF LIFE; TECHNOLOGIES FOR WATER SOURCE DEVELOPMENT & TREATMENT, WATER CONSERVATION, WASTEWATER-TREATMENT & DISPOSAL, SOLID-WASTE MANAGEMENT & ENERGY-CONSERVATION.
VIRARAGHAVAN T : WATER AND WASTEWATER-TREATMENT; ON-SITE WASTEWATER-TREATMENT AND DISPOSAL; ANAEROBIC-WASTEWATER-TREATMENT; WATER-POLLUTION ASPECTS.
WILSON MA : MANAGES RESEARCH AND DEVELOPMENT PROJECTS ON POLLUTION-CONTROL TECHNOLOGY; SPECIFICALLY IN WATER AND WASTEWATER-TREATMENT, WASTE-MANAGEMENT AND ATMOSPHERIC EMISSION CONTROL. AREAS OF WORK INCLUDE PULP-AND-PAPER, SOUR-GAS AND HAZARDOUS-WASTE DISPOSAL.

WATER

AIKEN SG : AQUATIC PLANTS IN CANADA (WILD-RICE, ZIZANIA & WATER MILFOIL, MYRIOPHYLLUM) GRASSES, ESPECIALLY FESTUCA, IN NORTH AMERICA. COMPUTER GENERATION OF TAXONOMIC KEYS & DESCRIPTIONS IN FRENCH & ENGLISH. BEGINNING WORK ON THE FLORA OF THE CANADIAN HIGH ARCTIC ISLANDS.
BAWEJA AS : WATER-QUALITY GUIDELINES & CRITERIA; RADIOACTIVITY IN WATER; DISPOSAL OF RADIOACTIVE-WASTES, ESPECIALLY URANIUM TAILINGS & REACTOR SPENT FUEL; SOIL-CHEMISTRY & MINERALOGY; TROPICAL SOILS MANAGEMENT.
BROWN WFM : INDUSTRIAL ENVIRONMENTAL-PLANNING AND CONTROL. AIR, WATER AND SOLID AND LIQUID-WASTE. BUFFER AREAS. LANDSCAPING.
BURNEY JR : SOIL AND WATER ENGINEERING AREA OF AGRICULTURAL ENGINEERING, PRINCIPALLY SMALL WATERSHED HYDROLOGY. ADDITIONALLY IRRIGATION AND DRAINAGE OF AGRICULTURAL LAND.
CHARLTON SED : PHYCOLOGY, LIMNOLOGY OF RUNNING WATER, LAKES & RESERVOIRS.

WATER

CLARK AG : AQUATIC VIBRIOS, SURVIVAL TOXIGENESIS & VARIATION IN VIRULENCE. HYDROCARBON DEGRADATION & SURFACTANT PRODUCTION IN MIXED & PURE CULTURES. MICROBIAL DEGRADATION OF WATER POLYMER BASED PAINT: PAINT ANTIMICROBIALS.

CLEMENT RE : IMPROVED ANALYTICAL METHODS FOR THE QUALITATIVE & QUANTITATIVE ANALYSIS OF AIR, WATER, SOIL, BIOTA & INDUSTRIAL EFFLUENTS USING GAS-CHROMATOGRAPHY MASS-SPECTROMETRY. SPECIAL EMPHASIS ON ULTRA-TRACE ANALYSIS OF CHLORINATED DIBENZO-P-DIOXINS & CHLORINATED DIBENZOFURANS.

COLWELL DW : NATIONAL CENTRE OF COMPETENCE CONCERNED WITH APPLICATION OF METEOROLOGICAL KNOWLEDGE AND DATA TO STUDIES DEALING WITH PROBLEMS OF THE FRESH AND SALT WATER ENVIRONMENTS (HYDROLOGY, WATER-RESOURCES, OCEANS, LAKES AND RESERVOIRS).

D'AOUST AL : PRODUCTION, GROWTH AND PHYSIOLOGY OF CONTAINERIZED FOREST TREE SEEDLINGS FOR REFORESTATION. ENVIRONMENTAL CONDITIONS TO FAVOUR ACCELERATED GROWTH AND HARDENING OF MATERIAL. THE STUDY OF GROWTH AND GAS EXCHANGE ANALYSIS, ALSO THE WATER RELATION OF ACCLIMATIZED SEEDLINGS.

DABEKA WR : ANALYSIS FOR TRACE-ELEMENTS, TOXIC ELEMENTS; LEAD CADMIUM, ARSENIC, TIN, FLUORIDE, MERCURY; FOOD DIETARY INTAKES; ANALYTICAL WATER. INSTRUMENTAL EXPERTISE: GRAPHITE FURNACE ATOMIC, ABSORPTION SPECTROMETRY.

DICKISON RBB : CHANGES IN WATER AND ENERGY BALANCES, STREAMFLOW REGIME AND SNOW-COVER AFTER FOREST HARVESTING ARE BEING RESEARCHED AS PART OF THE NASHWAAK EXPERIMENTAL WATERSHED PROJECT. THE INFLUENCE OF LOW-LEVEL TEMPERATURE INVERSIONS AND LAPSE RATES ON THE EFFICACY OF AERIAL SPRAYS ARE BEING STUDIED IN CONJUNCTION WITH THE NEW-BRUNSWICK SPRAY EFFICACY RESEARCH GROUP.

DICK TM : HYDRAULICS RESEARCH RELATED TO THE ENVIRONMENT: RIVER MECHANICS, DISPERSION SEDIMENT TRANSPORT, RIVER ICE, AIR, WATER INTERACTIONS, WAVE GENERATION, COASTAL ENGINEERING, SEDIMENTOLOGY, URBAN WATER-RESOURCES.

DOMIER KW : RESEARCH IN THE VARIOUS AREAS OF AGRICULTURAL ENGINEERING; POWER AND MACHINERY, STRUCTURES AND ENVIRONMENT, SOIL AND WATER.

DROSTE RL : THEORY AND DESIGN OF WATER AND WASTEWATER-TREATMENT SYSTEMS. APPROPRIATE TECHNOLOGIES FOR WATER-SUPPLY AND SANITATION IN DEVELOPING-COUNTRIES.

DUTKA BJ : MICROBIAL METHODOLOGY, MICROBIAL TOXICITY SCREENING TESTS, LEGIONELLA IN WATER, COLIPHAGE ENUMERATION, WATER-QUALITY ESTIMATION, BACTERIAL POLLUTION OF WATERS, MICROBIAL POPULATION ESTIMATES; WATER, POTABLE-WATER, SEDIMENT WATER QUALITY STANDARDS.

FARLEY DW : MATHEMATICAL-MODELLING FOR RESOLUTION OF WATER-MANAGEMENT PROBLEMS INCLUDING QUANTITY & QUALITY ASPECTS. PROVISION OF SERVICES IN MODELLING TO ALL FEDERAL & PROVINCIAL WATER BOARDS & COMMITTEES & TO REGIONAL OFFICES. MANAGER ON-LINE BIBLIOGRAPHIC REFERENCE SERVICES TO CANADIAN WATER-RESOURCES COMMUNITY.

FINDLAY RL : RESEARCH IN ACID-DEPOSITION & ITS EFFECTS, FOREST & AGRICULTURE RECLAMATION; OIL & SALT WATER SPILL RECLAMATION; IMPACT-ASSESSMENT FOR OIL & GAS DEVELOPMENT; DECOMMISIONING PROGRAMS.

FORCIER A : WATER TESTING; AIR SAMPLE ANALYSIS; ACOUSTICAL LAB AND FIELD TESTING; NOISE CONTROL AND ABATEMENT.

GEHR R : WATER & WASTEWATER-TREATMENT, SPECIFICALLY POLYELECTROLYTE USAGE, CHARACTERIZATION & INTERACTIONS; PHOSPHORUS REMOVAL; STATISTICAL-ANALYSIS OF BIODEGRADATION & RIVER QUALITY DATA; ATTACHED VS SUSPENDED GROWTH PROCESSES.

GROVER R : TRANSPORT OF HERBICIDES IN AIR, WATER & SOIL. EXPOSURE ESTIMATES OF APPLICATORS TO HERBICIDES. MASS BALANCE OF HERBICIDES AFTER APPLICATION ON FIELD SCALE. AIR-MONITORING OF HERBICIDES. HERBICIDE DRIFT ESTIMATES DURING APPLICATION.

HARRIS IWE : TECHNOLOGY, ENGINEERING AND REGULATIONS RELATING TO OCCUPATIONAL-HEALTH, WASTE-MANAGEMENT (AIR, WATER, LAND) AND PRODUCT LIABILITY. SYNTHETIC ELASTOMERS AND RESINS.

HEINKE GW : PHYSICAL AND CHEMICAL WATER AND WASTEWATER-TREATMENT. ARCTIC ENVIRONMENTAL-ENGINEERING. URBAN INFRASTRUCTURE STUDIES.

HOWARD TE : INDUSTRIAL-HYGIENE. ENVIRONMENTAL HEALTH STUDIES. AIR-POLLUTION STUDIES: IMPACT OF AIR EMISSIONS, ACID-RAIN, ODOUR CONTROL. MODELLING ATMOSPHERIC DISPERSION OF AIR-POLLUTANTS. WATER STUDIES. UPTAKE OF METALS BY AQUATIC ORGANISMS. BIOASSAYS. WASTEWATER-TREATMENT. REMOTE-SENSING. LANDFILL LEACHATE CONTROL.

HRUDEY SE : INDUSTRIAL WASTE-MANAGEMENT, PETROLEUM, ORGANIC CHEMICAL, OIL-SANDS, FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION CONTROL; WATER RECLAMATION AND REUSE; HAZARDOUS TOXIC-WASTE, MANAGEMENT, DISPOSAL; INDUSTRIAL BIOTECHNOLOGY; ANAEROBIC TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT; RISK-ASSESSMENT; HAZARD IDENTIFICATION CONTROL.

KENNEY BC : PHYSICAL LIMNOLOGY OF PRAIRIE LAKES INCLUDING ASPECTS OF AIR & WATER INTERACTION, MIXING AND TURBULENCE, SEDIMENT RESUSPENSION AND LARGE SCALE LAKE CIRCULATION. EUTROPHICATION AND PHOSPHORUS DYNAMICS MODELS. WATER CIRCULATION UNDER WINTER ICE.

KHAN SU : FATE OF PESTICIDES IN SOIL, PLANT, WATER & ANIMALS. ENVIRONMENTAL-POLLUTION. CHEMICAL & BIODEGRADATION OF PESTICIDES. BIOAVAILABILITY & TOXICOLOGY OF PESTICIDES IN ANIMALS. PESTICIDE DEGRADING PLASMIDS, BIOTECHNOLOGY OF PESTICIDES.

KICENIUK JW : AQUATIC TOXICOLOGY OF CHRONIC EXPOSURE. TOXICOLOGY OF HYDROCARBONS. ANALYSIS OF HYDROCARBONS IN WATER SEDIMENT AND BIOLOGICAL SAMPLES.

KOHLI B : PHYSICAL LIMNOLOGY; HYDRODYNAMIC-MODELLING & WATER-QUALITY SIMULATION, SEDIMENT. TRANSPORT, DISPERSION & DIFFUSION PROCESSES. ASSESSMENTS AND OPTIMIZATION OF SEWAGE OUTFALL (SUBMERGED DIFFUSERS) AND WATER INTAKE. LAKE HARBOUR EXCHANGE PROCESSES.

WATER

KURYS JG : TOXICOLOGICAL EVALUATION OF VOLATILE CHEMICALS IN AMBIENT AIR FOR EFFECTS USING HUMAN FAT & MILK; BOVINE-FAT & MILK; PORCINE-FAT & AVIAN SPECIES FOR RESIDUE ANALYSIS; RAW MILK; RAW & TREATED WATER; SOIL & VEGETABLES. SECOND PART OF RESEARCH CARRIED OUT ON METABOLIC PROCESSES AND THEIR MODE OF ACTION.

LANGFORD CH : STUDIES OF SPECIATION OF METAL IONS AND MOBILITY OF PESTICIDES IN NATURAL WATER SYSTEMS WITH SPECIAL REFERENCE TO THE NATURE AND ROLE OF HUMIC-SUBSTANCES. DEVELOPMENT OF KINETIC METHODS OF ANALYSIS.

LANG RS : ENVIRONMENTAL & SOCIAL IMPACT-ASSESSMENT. INTEGRATED LAND AND WATER PLANNING. WASTE-MANAGEMENT PLANNING. INTEGRATED RESOURCE-MANAGEMENT. PLANNING THEORY & PRACTICE.

LEDUC G : AQUATIC TOXICOLOGY. ACUTE AND LONG-TERM TOXICITY OF CYANIDE TO FISH. GROWTH, SWIMMING, OSMOREGULATION, ETC. EFFECTS OF MODIFYING FACTORS OF TOXICITY: TEMPERATURE, SIZE OF FISH, CURRENT OF WATER, ETC. MODE OF ACTION AND DETOXIFICATION OF CYANIDE. BIOACCUMULATION OF THIOCYANIDE. EFFECTS ON THYROID-GLAND AND RELATED FUNCTIONS.

LETARTE R : QUALITY CONTROL OF WATER. SAFETY FOR HEALTH OF BIOLOGICAL PRODUCTS USED AGAINST PLANT DISEASES.

LOUIE RH : BIOPHYSICAL SURVEYS (SOILS, SURFICIAL GEOLOGY, VEGETATION, WILDLIFE HABITAT, CLIMATE), LAND USE IN BRITISH-COLUMBIA & APPLICATIONS FOR AGRICULTURE, FORESTRY, WILDLIFE, WATER, FISH & OTHER LAND USE PLANNING, ASSESSMENT AND MONITORING. BASE MAP PRODUCTION (TOPOGRAPHIC, PLANIMETRIC AND CADASTRAL). REMOTE-SENSING.

MACKNIGHT SD : IMPACTS OF DREDGING AND DREDGED MATERIAL DISPOSAL DISPOSAL OF DRILLING MUDS AND FLUIDS; DISPOSAL IN OCEANS; ESTUARINE CHEMISTRY; CHEMICAL OCEANOGRAPHY; BIOAVAILABILITY OF METALS; SEDIMENT WATER INTERACTIONS.

MAHENDRAPPA MK : SOIL-CHEMISTRY AND MICROBIOLOGY AS RELATED TO ACID-RAIN AND NUTRIENT-CYCLING IN FOREST-ECOSYSTEMS. CHEMISTRY OF PRECIPITATION AND ITS INFLUENCE ON THE CHEMICAL AND BIOCHEMICAL PROCESSES ON TREES AND SOIL. IMPROVEMENT OF THE USE OF WATER AND FERTILIZERS IN TREE NURSERIES.

MARCINIUK J : MONITORING OF WATER WELLS COMPLETED INTO AQUIFERS UP TO 460M IN DEPTH. DATA CONSISTS OF CONTINUOUS WATER LEVEL CHARTS & PERIODIC ROUTINE & DETAILED WATER CHEMICAL-ANALYSIS AVAILABLE FOR SOME WELLS SINCE 1956.

MCANDLESS JM : ADVANCED AIR & WATER SAMPLING TECHNOLOGY PARTICULARLY AUTOMATED SAMPLING & ANALYSIS SYSTEM BASED ON SOLID-SORBENT SAMPLING TUBES. INSTRUMENTAL ANALYSES (GC, HPLC, GCMS) OF ENVIRONMENTAL SAMPLES, BIOLOGICAL MATRICES & FIELD TRIAL SAMPLES.

MCKIM MP : DESIGN, DEVELOPMENT & APPLICATION OF WATER & AIR-POLLUTION ABATEMENT DEVICES. EXAMPLES ARE ROTATING BIOLOGICAL CONTACTORS, PHENOL CONTROL, WATER-REUSE SYSTEMS & USE OF PEAT FOR SEWAGE TREATMENT.

MERANGER JC : CHARACTERIZATION OF FIBROUS DUSTS INCLUDING ASBESTOS. ANALYSIS OF WATER, AIR AND BIOLOGICAL SAMPLES. EFFECTS OF ACIDIC-DEPOSITION ON QUALITY OF DRINKING-WATER (TRACE-ELEMENT CONTAMINATION). TRACE-ELEMENT METHOD DEVELOPMENT.

MITCHELL H : WATER AND WASTE-TREATMENT. MUNICIPAL AND INDUSTRIAL PROCESSES.

MOSELHY MM : ENVIRONMENTAL RESEARCH PLANNING. POLICY ANALYSIS. AIR, WATER, WASTE POLLUTION ANALYSIS; EFFECTS. ANALYTICAL-CHEMISTRY. ATOMIC EMISSION SPECTROSCOPY MULTIELEMENTAL ANALYSIS.

MURRAY DR : INVENTORY OF CANADIAN ACTIVITIES RELATED TO SOIL & WATER LIMITATIONS, DEGRADATION, CONSERVATION, IMPROVEMENT, RECLAMATION. ACTIVITIES ASSOCIATED WITH MINING, AGRICULTURE, FORESTRY, ENERGY, TRANSPORTATION, CONSTRUCTION, ETC.

NIEMELA UE : WATER-QUALITY MONITORING & ANALYSIS, ANALYSIS OF WATER, SEDIMENTS & BIOTA. WATER-QUALITY ASSESSMENT & INTERPRETATION. WATER-QUALITY OBJECTIVES & GUIDELINES DEVELOPMENT. WATER-POLLUTION CONTROL. TOXIC-CHEMICALS MANAGEMENT.

PEARSE PH : SPECIALIST IN THE ECONOMICS OF NATURAL-RESOURCES. WRITING RELATED TO GOVERNMENT POLICY ON MANAGEMENT OF RENEWABLE-RESOURCES (IN PARTICULAR, FORESTS, FISHERIES, & WATER-RESOURCES). CONSULTANT ON NATURAL-RESOURCES POLICY TO FOREIGN & CANADIAN GOVERNMENT. PROFESSOR OF FORESTRY; PROJECT LEADER: FOREST ECONOMICS & POLICY ANALYSIS PROJECT. FORMERLY: COMMISSIONER OF TWO MAJOR ROYAL COMMISSIONS OF INQUIRY ON RESOURCE POLICY (BRITISH-COLUMBIA FOREST RESOURCES & PACIFIC FISHERIES); CHAIRMAN OF PUBLIC INQUIRY ON FEDERAL WATER POLICY.

PROKOPUK R : FOSSIL FUELS FOR HEATING. POWER GENERATION AND PROCESS APPLICATIONS: ENVIRONMENTAL-ASSESSMENT: AIR, WATER AND SOIL POLLUTION FROM STATIONARY AND MOBILE SOURCES; ANALYTICAL LABORATORY TECHNIQUES.

READ DC : PERSISTENCE OF PESTICIDES IN SOIL. RESISTANCE OF INSECTS TO INSECTICIDES AND MICROBIAL DEGRADATION OF PESTICIDES IN SOIL AND WATER.

REDMANN RE : PHYSIOLOGICAL PLANT ECOLOGY, GRASSLAND ECOLOGY, POLLUTION EFFECTS ON PLANTS, ESPECIALLY AIRBORNE SALTS AND ACIDITY, DROUGHT STRESS EFFECTS, PLANT WATER RELATIONS, CARBON-DIOXIDE EXCHANGE IN PLANTS.

ROBINSON JE : TECHNICAL ECONOMIC & POLICY RESEARCH ON WATER-DEMAND MANAGEMENT & ON INTEGRATING SUPPLY & DEMAND MANAGEMENT OF WATER & WASTEWATER-TREATMENT AT LOCAL, REGIONAL & NATIONAL LEVELS.

SANDERSON ME : CLIMATOLOGY OF THE GREAT-LAKES BASIN. WATER BALANCE OF GREAT-LAKES. PRECIPITATION: QUANTITY AND QUALITY. (PRECIPITATION CHEMISTRY).

SATTAR SYED A : IMPACT OF VIRAL POLLUTION ON HUMAN HEALTH; SURVIVAL OF VIRUSES IN WATER, SOIL & THE ATMOSPHERE; DEVELOPMENT OF TECHNIQUES FOR VIRUS RECOVERY FROM THE ENVIRONMENT.

SCHREIER H : SOIL & SEDIMENT CHEMISTRY. TRACE-METAL CONTAMINATION. ASBESTOS IN THE ENVIRONMENT (SOIL, ROCKS, SEDIMENT, WATER, BIOTA). SOIL FERTILITY. REMOTE-SENSING.

WATER

SHAWKI SM : SPECIALTY CHEMICALS & CHEMICAL SERVICES FOR WATER CLARIFICATION & POLLUTION-CONTROL FOR MUNICIPALITIES & INDUSTRIES SUCH AS MINING, PULP & PAPER, AUTOMOTIVE, METAL INDUSTRIES & OIL FIELD SERVICES.

SHAW GG : DETERMINING THE CONCENTRATION OF SULPHUR, METALS & PESTICIDES IN SOIL, AIR, WATER, VEGETATION & ANIMALS & THE EFFECTS OF THOSE CHEMICALS & ELEMENTS ON PLANTS & ANIMALS THROUGH EXPERIMENTS & STATISTICAL-ANALYSIS.

SIEBERT H : ENVIRONMENTAL-MONITORING OF PLANT, AIR & WATER EFFLUENTS. SUGGESTING REMEDIAL CORRECTIVE ACTIONS ON VIOLATIONS.

SIFTON TE : TECHNIQUES FOR INTEGRATED RESOURCE-MANAGEMENT OF PUBLIC LANDS; ENVIRONMENTAL-IMPACT OF SPECIFIC USES OF LAND & WATER; METHODS OF REAL PROPERTY APPRAISAL.

SKAFEL MG : INTERACTION OF WATER WAVES & COHESIVE & NON-COHESIVE SEDIMENTS, SHORELINE EVOLUTION, WAVE STRUCTURE INTERACTION, WAVE HINDCASTING.

SKEY SGP : WEATHER AND SEA STATE FORECASTING (REAL TIME, 24 HRS/DAY/YEAR ROUND). METEOROLOGICAL MONITORING, FIELD STUDIES, NUMERICAL MODELLING, POLLUTION STUDIES, AGRICULTURAL AND WATER-RESOURCE STUDIES. OCEANOGRAPHIC CONSULTING, CURRENT, TIDE AND WAVE MEASUREMENTS AND ANALYSIS FROM SHALLOW WATER TO DEEP OCEAN.

SLATER GP : DETERMINATION OF VOLATILE ORGANIC-COMPOUNDS (POLLUTANTS OR NATURALLY OCCURRING) IN WATER. DETERMINATION OF VOLATILE PLANT PRODUCTS. ANALYSIS BY GAS-CHROMATOGRAPHY, MASS-SPECTROSCOPY. AGRICULTURE WASTE-TREATMENT.

SLY PG : GEOLOGY OF LARGE LAKE SYSTEMS, SEDIMENT WATER INTERACTIONS INCLUDING TOXIC & NUTRIENT CONTAMINANTS, DREDGING & MATERIAL DISPOSAL, SEDIMENT EROSION, DEPOSITION & TRANSPORT. AQUATIC HABITATS & SEDIMENT BIOTA (INVERTEBRATE & FISH) INTERACTIONS.

SMITH DW : OZONE TREATMENT OF WATER AND WASTEWATER. COLD REGIONS ENVIRONMENTAL-ENGINEERING. SCALE UP OF WATER AND WASTEWATER-TREATMENT PROCESSES. DISINFECTION. MIXING AND MICROORGANISMS IN RIVERS.

SNODGRASS WJ : RESEARCH INTO SEDIMENT WATER TRANSFER OF CONTAMINANTS (CHLORINATED ORGANICS, HEAVY-METALS, RADIONUCLIDES, ALKALINITY). WATER & WASTEWATER-TREATMENT PROCESSES. RADIOLOGICAL IMPACT OF NUCLIDE RELEASES.

STEPHENSON GR : STUDIES ON THE FATE OF HERBICIDES IN SOIL, WATER, AIR & PLANTS.

STRACHAN WMJ : ENVIRONMENTAL CYCLING OF TOXIC-CHEMICALS ESPECIALLY WATER & AIR INTERCHANGE & SORPTION BEHAVIOUR.

THORPE JW : ANALYSIS OF ORGANICS AND INORGANICS IN NATURAL AND PROCESS WATERS; EVALUATION OF INDOOR AIR-QUALITY IN HOMES AND OFFICES; ON-LINE ANALYSIS OF SUB-PPM LEVELS OF HYDROGEN-SULPHIDE IN WATER.

TOUGH G : MANUFACTURE, DISTRIBUTION AND SERVICING OF FLOW MEASUREMENT PRODUCTS & SYSTEMS FOR RESOURCE MANAGEMENT OF FLUIDS SUCH AS WATER, PETROLEUM PRODUCTS, CHEMICALS, SLURRIES AND NATURAL-GAS.

TOWNSHEND AR : COLD CLIMATE NORTHERN & RURAL ENVIRONMENTAL ENGINEERING TECHNOLOGIES FOR THE PROTECTION OF THE ENVIRONMENT & QUALITY OF LIFE; TECHNOLOGIES FOR WATER SOURCE DEVELOPMENT & TREATMENT, WATER CONSERVATION, WASTEWATER-TREATMENT & DISPOSAL, SOLID-WASTE MANAGEMENT & ENERGY-CONSERVATION.

VILLARD S : LONG-RANGE-TRANSPORT-OF-AIR-POLLUTION. METHODOLOGIES FOR ANALYSIS OF PRECIPITATION & AIR. METHOD DEVELOPMENT FOR ANALYSIS OF WATER, AIR, SOILS, BIOTA.

VIRARAGHAVAN T : WATER AND WASTEWATER-TREATMENT; ON-SITE WASTEWATER-TREATMENT AND DISPOSAL; ANAEROBIC-WASTEWATER-TREATMENT; WATER-POLLUTION ASPECTS.

WATSON AEP : WATER AND ECOSYSTEM QUALITY, DEVELOPMENT OF OBJECTIVES FOR ECOSYSTEM QUALITY FOR IJC GREAT-LAKES SCIENCE ADVISORY BOARD (SAB) HUMAN HEALTH EFFECTS OF GREAT-LAKES WATER-QUALITY EVALUATION OF HEALTH HAZARDS FROM CHEMICAL AND MICROBIOLOGICAL CONTAMINANTS IN THE GREAT-LAKES AND THE DEVELOPMENT OF THE DESIGN OF EPIDEMIOLOGICAL-STUDIES FOR THE (SAB) AND THE GREAT-LAKES WATER QUALITY BOARD. SAB GREAT-LAKES RESEARCH REVIEW PARTICIPATION.

WEAVER RS : MANAGEMENT OF RESEARCH IN THE FOLLOWING AREAS: AIR, WATER AND SOIL-ANALYSES; EFFECTS OF ENVIRONMENTAL-CONTAMINANTS IN AIR, WATER AND SOIL ON PLANTS, WILDLIFE AND DOMESTIC ANIMALS, AQUATIC VERTEBRATES AND INVERTEBRATES, AND MICRO-ORGANISMS; HAZARDOUS-WASTE DISPOSAL.

WEBER ME : RESEARCH IN REMOVAL OF POLLUTANTS FROM WATER BY FILTRATION ULTRAFILTRATION AND ELECTRICALLY AIDED FILTRATION.

WEINBERGER P : ECOPHYSIOLOGY AND TOXICOLOGY WITH SPECIAL REFERENCE TO SOILS, SOIL MICROORGANISMS, WATER (FRESH AND ESTUARINE) AQUATIC MICRO AND MACROPHYTES AND SOME TREES INDIGENOUS TO CANADA. FATE TRANSPORT, UPTAKE, EFFECTS ON PHYSIOLOGY AND DEVELOPMENT OF N2-FIXING CYANOBACTERIA, ALGAE, AQUATIC MACROPHYTES AND SOME GYMNOSPERM AND ANGIOSPERM TREE SEEDS.

WESTCOTT ND : DEVELOPMENT OF PROCEDURES FOR THE EXTRACTION AND ANALYSIS OF ORGANOCHLORINE, ORGANOPHOSPHORUS, CARBAMATE AND PYRETHROID INSECTICIDES IN PLANTS, WATER, SOIL AND INSECTS. DETERMINE THE PERSISTENCE OF INSECTICIDE IN PLANTS, WATER, SOIL OR INSECTS UNDER LABORATORY OR FIELD CONDITIONS.

WIKEN EB : TERRESTRIAL-ECOLOGY: ECOLOGICAL LAND-CLASSIFICATION, EVALUATION & MODELLING; LAND CAPABILITY RATING & SUITABILITY; ENVIRONMENTAL-ANALYSIS & MANAGEMENT. COORDINATION ACTIVITIES CONCERNING ACID-RAIN RESEARCH & ENVIRONMENTAL-IMPACT-ASSESSMENT IN AREAS CONCERNING LAND, WATER & WILDLIFE.

WILSON MA : MANAGES RESEARCH AND DEVELOPMENT PROJECTS ON POLLUTION-CONTROL TECHNOLOGY; SPECIFICALLY IN WATER AND WASTEWATER-TREATMENT, WASTE-MANAGEMENT AND ATMOSPHERIC EMISSION CONTROL. AREAS OF WORK INCLUDE PULP-AND-PAPER, SOUR-GAS AND HAZARDOUS-WASTE DISPOSAL.

WATER-CHEMISTRY

BRYDGES TG : EXPERIENCE IN ANALYSIS, WATER-CHEMISTRY AND BIOLOGICAL STUDIES AND LAKE LIMING. PRESENTLY A SCIENCE ADVISOR IN THE FEDERAL GOVERNMENT'S LONG-RANGE-TRANSPORT-OF-AIR-POLLUTANTS AND THEIR EFFECTS.
CABLE DM : COMPILATION & DISSEMINATION OF GROUNDWATER INFORMATION, INCLUDING DRILLERS' REPORTS, WATER-CHEMISTRY, GEOPHYSICAL LOGS & GROUNDWATER INVESTIGATION REPORTS IN ALBERTA.
DOBSON HFH : ST-LAWRENCE & GREAT-LAKES: WATER-CHEMISTRY, WATER-QUALITY: TREND ANALYSIS AND MAPPING OF DISTRIBUTIONS, ESPECIALLY THE ASPECT OF PHOSPHORUS MANAGEMENT AND ITS RESULTS.
STEWART DB : BIOLOGICAL AND LIMNOLOGICAL INVENTORY OF LAKES IN THE NORTHWEST TERRITORIES; ZOOGEOGRAPHY, ECOLOGY, LIFE-HISTORY, AND PARASITISM OF ARCTIC FRESHWATER ANADROMOUS, AND MARINE FISHES; ZOOPLANKTON, PHYTOPLANKTON, AQUATIC INSECTS, AND WATER-CHEMISTRY OF ARCTIC LAKES; PHOTOGRAPHIC RECORD.

WATER-CONTAMINATION

CARLISLE DB : EFFECTS OF WATER-CONTAMINATION ON THE PHYSIOLOGY OF AQUATIC ORGANISMS.
RAAD AWNI T : MONITORING OF SOIL & WATER-CONTAMINATION RESULTING FROM AGRICULTURE BASED ACTIVITIES.

WATER-DEMAND

GRIMA AP : WATER-DEMAND ESTIMATION, PARTICULARLY URBAN & RESIDENTIAL. ENERGY-CONSERVATION POLICIES. INSTITUTIONAL INSTRUMENTS FOR ENVIRONMENTAL-QUALITY. PUBLIC INVOLVEMENT IN ENVIRONMENTAL-IMPACT-ASSESSMENT, AND CLIMATE IMPACT-ASSESSMENT.
ROBINSON JE : TECHNICAL ECONOMIC & POLICY RESEARCH ON WATER-DEMAND MANAGEMENT & ON INTEGRATING SUPPLY & DEMAND MANAGEMENT OF WATER & WASTEWATER-TREATMENT AT LOCAL, REGIONAL & NATIONAL LEVELS.

WATER-MANAGEMENT

FARLEY DW : MATHEMATICAL-MODELLING FOR RESOLUTION OF WATER-MANAGEMENT PROBLEMS INCLUDING QUANTITY & QUALITY ASPECTS. PROVISION OF SERVICES IN MODELLING TO ALL FEDERAL & PROVINCIAL WATER BOARDS & COMMITTEES & TO REGIONAL OFFICES. MANAGER ON-LINE BIBLIOGRAPHIC REFERENCE SERVICES TO CANADIAN WATER-RESOURCES COMMUNITY.
LOGAN LA : WATER-RESOURCE SYSTEMS AND ENGINEERING: STOCHASTIC HYDROLOGY, RISK AND DECISION ANALYSES. ADVICE IN SOLVING WATER-MANAGEMENT PROBLEMS OF WATER-QUALITY CONTROL AND PROTECTION.

WATER-POLLUTION

DENMAN EW : AIR & WATER-POLLUTION; SOLID-WASTE MANAGEMENT; INDUSTRIAL-HYGIENE; COMPUTER APPLICATIONS; CHEMICAL ENGINEERING.
FARKAS EJ : NATURAL-GAS TRANSMISSION BY PIPELINE, NATURAL-GAS METERING AT HIGH PRESSURE, USE OF NATURAL-GAS AS A MOTOR-VEHICLE FUEL; SOLID, LIQUID, AND NUCLEAR-WASTE MANAGEMENT; AIR AND WATER-POLLUTION, ION-EXCHANGE.
HRUDEY SE : INDUSTRIAL WASTE-MANAGEMENT, PETROLEUM, ORGANIC CHEMICAL, OIL-SANDS, FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION CONTROL; WATER RECLAMATION AND REUSE; HAZARDOUS TOXIC-WASTE, MANAGEMENT, DISPOSAL; INDUSTRIAL BIOTECHNOLOGY; ANAEROBIC TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT; RISK-ASSESSMENT; HAZARD IDENTIFICATION CONTROL.
JOSHI SR : DEVELOPMENT OF METHODS FOR MEASURING RADIONUCLIDE IN THE AQUATIC ENVIRONMENT; IMPACT OF RADIONUCLIDES RELEASED FROM NUCLEAR FACILITIES & URANIUM MINING INDUSTRY ON THE AQUATIC ENVIRONMENT; NUCLEAR TECHNIQUES IN WATER-POLLUTION RESEARCH.
NIEMELA UE : WATER-QUALITY MONITORING & ANALYSIS, ANALYSIS OF WATER, SEDIMENTS & BIOTA. WATER-QUALITY ASSESSMENT & INTERPRETATION. WATER-QUALITY OBJECTIVES & GUIDELINES DEVELOPMENT. WATER-POLLUTION CONTROL. TOXIC-CHEMICALS MANAGEMENT.
ROSEHART RG : WATER-POLLUTION CONTROL IN PULP-AND-PAPER AND MINING INDUSTRY. (COLOUR REMOVAL, TOXICITY REDUCTION AND PROCESS CHANGE). PUBLIC CONSULTATION, GOVERNMENT POLICY FORMULATION.
SPRAGUE JB : WATER-POLLUTION BIOLOGY. EFFECTS OF TOXICANTS, ESPECIALLY METALS, ON AQUATIC ORGANISMS.
VIRARAGHAVAN T : WATER AND WASTEWATER-TREATMENT; ON-SITE WASTEWATER-TREATMENT AND DISPOSAL; ANAEROBIC-WASTEWATER-TREATMENT; WATER-POLLUTION ASPECTS.

WATER-QUALITY

ADAMS BJ : WATER-RESOURCES SYSTEMS ANALYSIS: PLANNING, DESIGN, OPERATION AND MANAGEMENT; WATER-QUALITY MANAGEMENT; REGIONAL WASTEWATER MANAGEMENT; APPLICATIONS OF SYSTEMS ANALYSIS (STATISTICAL, SIMULATION, AND OPTIMIZATION) TECHNIQUES TO ENVIRONMENTAL SYSTEMS; RESERVOIR ANALYSIS; HYDROLOGIC MODELLING; STORMWATER MANAGEMENT; FLOOD CONTROL AND DRAINAGE; IRRIGATION; HYDROLOGIC & METEOROLOGIC DATA-ANALYSIS URBAN WATER SYSTEMS.

WATER-QUALITY

BANAS WP : AQUATIC TOXICOLOGY & CHEMICAL FATE INVESTIGATIONS. TOXICITY TESTING OF INDUSTRIAL EFFLUENTS (PULP & PAPER, MINING, STEEL MANUFACTURING). DEVELOPMENT OF A WATER-QUALITY AQUATIC ENVIRONMENT. TOXICITY OBJECTIVE REGARDING ALUMINUM IN THE EVALUATIONS OF PESTICIDES (ORGANOCHLORINE & ORGANOPHOSPHATE) & HEAVY-METALS USING RAINBOW-TROUT IN FLOW THROUGH & STATIC BIOASSAYS.
BAWEJA AS : WATER-QUALITY GUIDELINES & CRITERIA; RADIOACTIVITY IN WATER; DISPOSAL OF RADIOACTIVE-WASTES, ESPECIALLY URANIUM TAILINGS & REACTOR SPENT FUEL; SOIL-CHEMISTRY & MINERALOGY; TROPICAL SOILS MANAGEMENT.
BROWN DJ : AQUATIC MONITORING TO ASSESS EFFLUENT IMPACT ON PROVINCIAL WATER-QUALITY OBJECTIVES, TO ASSESS IMPACT OF METALS & PESTICIDES IN FISH, TO ASSESS IMPACT OF PESTICIDE & HERBICIDE USE ON AQUATIC-ECOSYSTEMS.
CROSS PM : LIMNOLOGIST RESPONSIBLE FOR ROUTINE WATER-QUALITY MONITORING & SPECIAL STUDIES WITHIN THE RED-DEER, OLDMAN & MILK-RIVER BASINS. MAINTAIN & APPLY WATER-QUALITY SIMULATION MODEL (WORRS) TO RIVERS IN THE SOUTH-SASKATCHEWAN RIVER BASIN.
DE'ATH CE : KOREA: RESEARCH ON POPULATION, AIR & WATER-QUALITY, NUCLEAR-WASTE, AGRICULTURE & INDUSTRIAL POLLUTION WILDLIFE. PAPUA-NEW-GUINEA: MANUS-ISLAND & FORESTRY DEVELOPMENT IMPACTS. CANADA: SOCIAL & ENVIRONMENTAL-ASSESSMENT (LAKE EUGENIA, NWT), ENERGY EDUCATION IN ONTARIO, MINING IN WINDIGO TRIBAL AREA OF NORTHERN ONTARIO.
DEMAYD A : WATER-QUALITY MONITORING & SURVEYS. WATER-QUALITY OBJECTIVES. ENVIRONMENTAL DATA & MANAGEMENT INFORMATION-SYSTEMS. WATER-QUALITY DATA INTERPRETATION & REPORTING. ORGANIZATION & EVALUATION OF PROGRAMS.
DOBSON HFH : ST-LAWRENCE & GREAT-LAKES: WATER-CHEMISTRY, WATER-QUALITY: TREND ANALYSIS AND MAPPING OF DISTRIBUTIONS, ESPECIALLY THE ASPECT OF PHOSPHORUS MANAGEMENT AND ITS RESULTS.
DUTKA BJ : MICROBIAL METHODOLOGY, MICROBIAL TOXICITY SCREENING TESTS, LEGIONELLA IN WATER, COLIPHAGE ENUMERATION, WATER-QUALITY ESTIMATION, BACTERIAL POLLUTION OF WATERS, MICROBIAL POPULATION ESTIMATES; WATER, POTABLE-WATER, SEDIMENT WATER QUALITY STANDARDS.
EDWARDS CJ : A MEMBER OF THE SECRETARIAT PROVIDING BIOLOGICAL EXPERTISE TO THE INTERNATIONAL-JOINT-COMMISSION AND ITS WATER-QUALITY BOARD AND SCIENCE ADVISORY BOARD.
FORBES MA : ANALYTICAL CHEMISTRY. EXPERIENCE IN MODERN ANALYTICAL TECHNIQUES SUCH AS GC/MS, HIGH PERFORMANCE LIQUID CHROMATOGRAPHY, HIGH RESOLUTION GAS-CHROMATOGRAPHY, AUTOMATED ANALYSIS, OPERATIONAL LABORATORY MANAGEMENT IN THE FIELD OF WATER-QUALITY.
GARRATT DG : RESEARCH RELATED TO WATER-QUALITY, IMPURITY TRANSPORT IN SURFACE AND GROUNDWATER, URANIUM MINE-MILL DECOMMISSIONING AND RECLAMATION.
GRAY JA : WATER-RESOURCE ECONOMICS AND PLANNING, WATER-QUALITY ECONOMICS, FOREST ECONOMICS, RECREATION ECONOMICS, BENEFIT-COST-ANALYSIS, ENVIRONMENTAL-IMPACT-ASSESSMENT, RESOURCE FEES AND CHARGES, RESOURCE-POLICY ANALYSIS.
HODSON PV : FISH TOXICOLOGY: QUANTITATIVE STRUCTURE ACTIVITY, RELATIONSHIPS FOR ORGANIC-CHEMICALS. DEVELOPMENT OF DIAGNOSTIC TOOLS FOR FISH MONITORING BASED ON BIOCHEMICAL RESPONSES. DEVELOPMENT OF WATER-QUALITY OBJECTIVES.
JAMES W : URBAN HYDROLOGY, STORMWATER MANAGEMENT, FIELD INSTRUMENTATION, COMPUTER-MODELLING, STORM MODELS WATER-QUALITY MODELLING.
KEMPER JB : ENVIRONMENTAL-ASSESSMENT & MITIGATION RELATED TO WATER-RESOURCE MANAGEMENT: FISHWAYS, INSTREAM FLOW NEEDS, WATER-QUALITY MODELLING, HABITAT ENHANCEMENT.
KERR DC : ENVIRONMENTAL-IMPACT-ASSESSMENT ON AQUATIC & TERRESTRIAL ENVIRONMENTS; WATER-QUALITY ASSESSMENT; WETLAND PRESERVATION. WATER-QUALITY INSTREAM COMPUTER-MODELLING; HYDRODYNAMIC-MODELLING; ENVIRONMENTAL-PLANNING & RESOURCE-MANAGEMENT.
KOHLI B : PHYSICAL LIMNOLOGY: HYDRODYNAMIC-MODELLING & WATER-QUALITY SIMULATION, SEDIMENT. TRANSPORT, DISPERSION & DIFFUSION PROCESSES. ASSESSMENTS AND OPTIMIZATION OF SEWAGE OUTFALL (SUBMERGED DIFFUSERS) AND WATER INTAKE. LAKE HARBOUR EXCHANGE PROCESSES.
LAKSHMINARAYANA JSS : BIOLOGICAL LIMNOLOGY & OCEANOGRAPHY; POLLUTION, WATER-QUALITY, ALGAE, PHYTOPLANKTON, PRODUCTIVITY. TEACHING, SCIENTIFIC RESEARCH & DEVELOPMENT: COASTAL, MARINE & FRESHWATER ENVIRONMENT.
LIAW WK : LIMNOLOGICAL AND FISHERIES INVESTIGATIONS; ASSESSMENT OF FISH-STOCKS; AQUATIC ENVIRONMENTAL-IMPACT-ASSESSMENT; LAKE WATER-QUALITY AND TROPHIC STATUS ASSESSMENT; CULTURE OF FISH FINGERLINGS (WALLEYE AND WHITEFISH).
LIU D : ENVIRONMENTAL-TOXICOLOGY, PARTICULARLY TOXICITY & BIODEGRADATION ASSESSMENT; WATER-QUALITY STANDARDS; BIOTECHNOLOGY APPLICATION IN WASTE-TREATMENT & DISPOSAL.
LOGAN LA : WATER-RESOURCE SYSTEMS AND ENGINEERING: STOCHASTIC HYDROLOGY, RISK AND DECISION ANALYSES. ADVICE IN SOLVING WATER-MANAGEMENT PROBLEMS OF WATER-QUALITY CONTROL AND PROTECTION.
MAKHIJA R : METHOD DEVELOPMENT IN METALLURGICAL EFFLUENTS, AIR-MONITORING, CHEMICAL AUDIT, IDENTIFICATION OF TOXIC-CHEMICALS AND THEIR ANALYSIS, WASTE-MANAGEMENT STUDIES INCLUDING, SEMINARS, WORKSHOPS; SPILL CONTROL, HAZARDOUS-WASTE METHODS DEVELOPMENT, OCCUPATIONAL-HEALTH AND SAFETY, LANDFILL MONITORING, WATER-QUALITY, SOLID-WASTE SAMPLING AND ANALYSIS.
MCEWEN TJ : FOOD-PROCESSING TECHNOLOGY, FOOD WASTE RECOVERY AND UTILIZATION, PROCESS WATER-QUALITY.
MITCHELL PA : LIMNOLOGY OF EUTROPHIC, SHALLOW LAKES; WATER-QUALITY MONITORING; IMPACT-ASSESSMENT OF SURFACE-WATERS; CHARACTERIZATION OF FLOWING WATERS.
NASSICHUK MD : IMPACT-ASSESSMENT OF PROPOSED INDUSTRIAL DEVELOPMENTS THAT COULD AFFECT WATER-QUALITY. INVESTIGATIVE PROGRAMS ON IMPACT OF SPECIFIC POLLUTANTS & CONTAMINANTS ON FISH (PACIFIC SALMON) & FISH-HABITAT. POLICY & LEGISLATIVE ADVISOR ON WATER-QUALITY ISSUES.

WATER-QUALITY

NIEMELA UE : WATER-QUALITY MONITORING & ANALYSIS. ANALYSIS OF WATER. SEDIMENTS & BIOTA. WATER-QUALITY ASSESSMENT & INTERPRETATION. WATER-QUALITY OBJECTIVES & GUIDELINES DEVELOPMENT. WATER-POLLUTION CONTROL. TOXIC-CHEMICALS MANAGEMENT.
PALMER MD : WATER-QUALITY STUDIES AND PREDICTION MODELLING; BEACH BACTERIA CONTAMINANT MANAGEMENT STUDIES; OUTFALL AND INTAKE STUDIES AND DESIGN; DISPERSION AND TRANSPORT IN COASTAL REGIONS; HAZARDOUS-CHEMICALS MIXING ZONE PREDICTIONS AND RISK-ASSESSMENT; WATER-QUALITY MANAGEMENT PLANNING MODELS.
RAO SS : MICROBIOLOGICAL WATER-QUALITY OF GREAT LAKES & ACID-STRESSED LAKES. MICROBIAL BIODEGRADATION. MICROBIAL TOXICITY SCREENING. MICROBIOLOGY OF SEWAGE. INDUSTRIAL-WASTES. MICROBES & ENVIRONMENTAL STRESS. DIAGNOSTIC ENTERIC BACTERIOLOGY. TOXIC METAL. MICROBES ASSOCIATION. ACTIVATED SLUDGE & VITAMIN B12.
SERODES J : SEDIMENTATION AND DREDGING IN RIVERS AND ESTUARIES. WATER-QUALITY; SEDIMENT-QUALITY; DRINKING-WATER AND WASTEWATER-TREATMENT. IMPACT-ASSESSMENT ON AQUATIC-ECOSYSTEMS.
SHEWCHUK P : WASTEWATER MANAGEMENT. INDUSTRIAL PERFORMANCE STANDARDS. WATER-QUALITY RELATED ISSUES.
SHINDLER DB : SCIENTIFIC POLICY ADVICE ON BIOTECHNOLOGY & SAFETY REGULATIONS CONCERNING ENVIRONMENTAL & LARGE-SCALE APPLICATIONS. EXPERTISE IN MICROBIOLOGY, LIMNOLOGY, BIOLOGICAL MONITORING OF TOXIC SUBSTANCES, WATER-QUALITY, LAKE ALGAL-BLOOMS & EUTROPHICATION, AQUATIC ALGAE & MACROPHYTES, BACTERIAL PHYSIOLOGY & BIOCHEMISTRY, ENZYMOLOGY. COORDINATOR OF CANADA'S NATIONAL BIOTECHNOLOGY STRATEGY.
SMYTHE LA : GENERAL ENVIRONMENTAL STUDIES RELATED TO AQUATIC-BIOLOGY, TERRESTRIAL-ECOLOGY, AIR-QUALITY, WATER-QUALITY AND NOISE.
TAYLOR MC : FORMULATING GUIDELINES RE WATER-QUALITY OBJECTIVE FOR INLAND WATERS FOR: AQUATIC AND WILDLIFE; RAW PUBLIC WATER-SUPPLIES; AGRICULTURE-IRRIGATION; LIVESTOCK WATERING; RECREATION; INDUSTRY.
TONES PI : SURFACE WATER-QUALITY OF PRAIRIE RIVERS & RESERVOIRS; IMPACT OF MINING ESPECIALLY URANIUM MINING ON AQUATIC SYSTEMS; DEVELOPMENT OF WATER-QUALITY OBJECTIVES.
TREW DO : SURFACE-WATER QUALITY MANAGEMENT IN ALBERTA. LOCALIZED IMPACT-ASSESSMENT. GENERAL SURVEY PROGRAMS. MAINTENANCE OF LONG TERM MONITORING STATIONS. WATER-QUALITY ISSUES INCLUDE: EUTROPHICATION, ACIDIC DEPOSITION, IMPACTS FROM MUNICIPAL EFFLUENTS, INDUSTRIAL-EFFLUENTS & RESOURCE EXTRACTION. RIVER BASIN PLANNING; LAKE MANAGEMENT PLANNING.
WATSON AEP : WATER AND ECOSYSTEM QUALITY. DEVELOPMENT OF OBJECTIVES FOR ECOSYSTEM QUALITY FOR IJC GREAT-LAKES SCIENCE ADVISORY BOARD (SAB) HUMAN HEALTH EFFECTS OF GREAT-LAKES WATER-QUALITY EVALUATION OF HEALTH HAZARDS FROM CHEMICAL AND MICROBIOLOGICAL CONTAMINANTS IN THE GREAT-LAKES AND THE DEVELOPMENT OF THE DESIGN OF EPIDEMIOLOGICAL-STUDIES FOR THE (SAB) AND THE GREAT-LAKES WATER QUALITY BOARD. SAB GREAT-LAKES RESEARCH REVIEW PARTICIPATION.
WORGAN JP : ENVIRONMENTAL-IMPACT-ASSESSMENT FOR AIRPORT PROJECTS. SPECIALIZATION IN WATER-QUALITY MONITORING AND ASSESSMENT.
YOUNG JWS : LRTAP, TOXIC-CHEMICALS, ENERGY, NORTH, GREAT-LAKES WATER-QUALITY, AIR-QUALITY, CLIMATE CHANGE, OXIDANTS. MAIN FOCUS IS THE ATMOSPHERIC PATHWAY PORTION OF THESE AREAS.

WATER-RESOURCE

BARLISHEN WJ : RESEARCH, ANALYSIS OF CONSUMPTIVE WATER-USE (AGRICULTURAL, INDUSTRIAL, MUNICIPAL) IN ALBERTA. ECONOMIC ANALYSIS OF QUANTIFIABLE & NON QUANTIFIABLE BENEFIT-COST-ANALYSIS OF WATER-RESOURCE DEVELOPMENT & MANAGEMENT IN ALBERTA.
DYKSTRA TL : RECREATIONAL LAND-USE PLANNING: FOR RESERVOIRS, RESERVOIR SHORELINES & RIVER VALLEYS TO PROTECT WATER-RESOURCE MANAGEMENT OBJECTIVES.
ELDER FC : RESEARCH MANAGEMENT IN AREAS RELATED TO ACID-PRECIPITATION EFFECTS ON AQUATIC SYSTEMS, PHYSICAL LIMNOLOGY AND WATER-RESOURCE DATA-MANAGEMENT, ENVIRONMENTAL AND WATER-RESOURCE MONITORING.
GRAY JA : WATER-RESOURCE ECONOMICS AND PLANNING, WATER-QUALITY ECONOMICS, FOREST ECONOMICS, RECREATION ECONOMICS, BENEFIT-COST-ANALYSIS, ENVIRONMENTAL-IMPACT-ASSESSMENT, RESOURCE FEES AND CHARGES, RESOURCE-POLICY ANALYSIS.
KEMPER JB : ENVIRONMENTAL-ASSESSMENT & MITIGATION RELATED TO WATER-RESOURCE MANAGEMENT: FISHWAYS, INSTREAM FLOW NEEDS, WATER-QUALITY MODELLING, HABITAT ENHANCEMENT.
LOGAN LA : WATER-RESOURCE SYSTEMS AND ENGINEERING: STOCHASTIC HYDROLOGY, RISK AND DECISION ANALYSES. ADVICE IN SOLVING WATER-MANAGEMENT PROBLEMS OF WATER-QUALITY CONTROL AND PROTECTION.
SKEY SGP : WEATHER AND SEA STATE FORECASTING (REAL TIME, 24 HRS/DAY/YEAR ROUND). METEOROLOGICAL MONITORING, FIELD STUDIES, NUMERICAL MODELLING, POLLUTION STUDIES, AGRICULTURAL AND WATER-RESOURCE STUDIES, OCEANOGRAPHIC CONSULTING, CURRENT, TIDE AND WAVE MEASUREMENTS AND ANALYSIS FROM SHALLOW WATER TO DEEP OCEAN.

WATER-RESOURCES

WATER-RESOURCES

ADAMS BJ : WATER-RESOURCES SYSTEMS ANALYSIS: PLANNING, DESIGN, OPERATION AND MANAGEMENT; WATER-QUALITY MANAGEMENT; REGIONAL WASTEWATER MANAGEMENT; APPLICATIONS OF SYSTEMS ANALYSIS (STATISTICAL, SIMULATION, AND OPTIMIZATION) TECHNIQUES TO ENVIRONMENTAL SYSTEMS; RESERVOIR ANALYSIS; HYDROLOGIC MODELLING; STORMWATER MANAGEMENT; FLOOD CONTROL AND DRAINAGE; IRRIGATION; HYDROLOGIC & METEOROLOGIC DATA-ANALYSIS URBAN WATER SYSTEMS.

BOALS RG : WATER-RESOURCES BRANCH IS RESPONSIBLE FOR COLLECTION AND STORAGE OF HYDROMETRIC AND SEDIMENT DATA IN DATA-BASE (HYDAT) WITH ACTIVE PROVINCIAL COOPERATION. DATA-BASE CREATED TO PROVIDE READY AND DIRECT PUBLICATION OF HYDROMETRIC AND SEDIMENT RECORDS AND CONVENIENT ACCESS.

CHIENG S : DRAINAGE, IRRIGATION, LAND & WATER-RESOURCES MANAGEMENT. HYDROLOGY & COMPUTER APPLICATION TO AGRICULTURAL ENGINEERING. EXPERIENCE IN CANADA, USA, CHINA, MALAYSIA, TAIWAN.

COLWELL DW : NATIONAL CENTRE OF COMPETENCE CONCERNED WITH APPLICATION OF METEOROLOGICAL KNOWLEDGE AND DATA TO STUDIES DEALING WITH PROBLEMS OF THE FRESH AND SALT WATER ENVIRONMENTS (HYDROLOGY, WATER-RESOURCES, OCEANS, LAKES AND RESERVOIRS).

CORBETT MJ : LIBRARY SERVICES BRANCH HOUSES A COLLECTION OF DOCUMENTARY AND PERIODICAL LITERATURE DEALING WITH ALL ASPECTS OF THE ENVIRONMENTAL SCIENCES AND WATER-RESOURCES ADMINISTRATION. THE EMPHASIS OF THE COLLECTION IS ON ALBERTA, BUT IS NOT RESTRICTED TO THE PROVINCE. ACCESS TO THE COLLECTION IS AVAILABLE ONLINE VIA THE UNIVERSITY OF ALBERTA SPIRES COMPUTER SYSTEM.

DICK TM : HYDRAULICS RESEARCH RELATED TO THE ENVIRONMENT: RIVER MECHANICS, DISPERSION SEDIMENT TRANSPORT, RIVER ICE, AIR, WATER INTERACTIONS, WAVE GENERATION, COASTAL ENGINEERING, SEDIMENTOLOGY, URBAN WATER-RESOURCES.

FARLEY DW : MATHEMATICAL-MODELLING FOR RESOLUTION OF WATER-MANAGEMENT PROBLEMS INCLUDING QUANTITY & QUALITY ASPECTS. PROVISION OF SERVICES IN MODELLING TO ALL FEDERAL & PROVINCIAL WATER BOARDS & COMMITTEES & TO REGIONAL OFFICES. MANAGER ON-LINE BIBLIOGRAPHIC REFERENCE SERVICES TO CANADIAN WATER-RESOURCES COMMUNITY.

GANNON J E : LIMNOLOGY WITH SPECIAL EMPHASIS ON ZOOPLANKTON ECOLOGY. WATER-RESOURCES MANAGEMENT & ENVIRONMENTAL EDUCATION, SECRETARIAT DUTIES WITH RESPONSIBILITY FOR OVERSEEING US & CANADIAN MONITORING & SURVEILLANCE PROGRAMS ON THE GREAT-LAKES.

HART JR : COORDINATION OF PLANNING ACTIVITIES FOR EFFECTIVE & EFFICIENT DEVELOPMENT & USE OF WATER-RESOURCES OF SOUTHERN ALBERTA CONSIDERING ECONOMIC, SOCIAL & ENVIRONMENTAL FACTORS.

HICKS R : COORDINATION OF PLANNING ACTIVITIES FOR THE EFFECTIVE AND EFFICIENT DEVELOPMENT AND USE OF WATER-RESOURCES OF NORTHERN ALBERTA CONSIDERING ECONOMIC, SOCIAL AND ENVIRONMENTAL FACTORS.

MULAMOOTTIL G : WETLAND ECOLOGY; LAND-USE AND ENCROACHMENTS IMPACTING ON WETLANDS; URBAN DRAINAGE PROBLEMS FOCUSSING ON STORMWATER MANAGEMENT; DETENTION FACILITIES; ENVIRONMENTAL-IMPACT-ASSESSMENTS RELATED TO WATER-RESOURCES.

PEARSE PH : SPECIALIST IN THE ECONOMICS OF NATURAL-RESOURCES. WRITING RELATED TO GOVERNMENT POLICY ON MANAGEMENT OF RENEWABLE-RESOURCES (IN PARTICULAR, FORESTS, FISHERIES, & WATER-RESOURCES). CONSULTANT ON NATURAL-RESOURCES POLICY TO FOREIGN & CANADIAN GOVERNMENT. PROFESSOR OF FORESTRY; PROJECT LEADER: FOREST ECONOMICS & POLICY ANALYSIS PROJECT. FORMERLY: COMMISSIONER OF TWO MAJOR ROYAL COMMISSIONS OF INQUIRY ON RESOURCE POLICY (BRITISH-COLUMBIA FOREST RESOURCES & PACIFIC FISHERIES); CHAIRMAN OF PUBLIC INQUIRY ON FEDERAL WATER POLICY.

REYNOLDS PJ : PLANNING, COORDINATING AND CONDUCTING A PROGRAM OF LARGELY DIVERSE STUDIES RELATED TO WATER-RESOURCES POLICY STRATEGIES AND MANAGEMENT INTERFACES WITH FOOD, FIBRE, ENERGY AND MINERALS DEVELOPMENT OF WATER-USE ANALYSIS MODELS. CONDUCTING NATIONAL WATER-USE SURVEYS. EVALUATION OF THE VALUE OF WATER-RESOURCES SYSTEMS.

SIMS MP : PROVINCIAL RESEARCH PROGRAMS ON ACID-DEPOSITION, AIR-QUALITY & CLIMATE, RECLAMATION, WATER-RESOURCES; WATER-TREATMENT & WASTE-MANAGEMENT, ENVIRONMENTAL CONTAMINANTS. INTERESTS IN RISK-ASSESSMENT, BIOTECHNOLOGY & LAND RESOURCE INVENTORY.

SZOJKA LK : COORDINATION OF PLANNING ACTIVITIES FOR THE EFFECTIVE AND EFFICIENT DEVELOPMENT AND USE OF THE WATER-RESOURCES OF SOUTHERN ALBERTA, PARTICULARLY IRRIGATION, CONSIDERING ECONOMIC, SOCIAL AND ENVIRONMENTAL FACTORS.

VAN SETERS DA : ENVIRONMENTAL-IMPACT-ASSESSMENT. TERRESTRIAL-ECOLOGY. ENVIRONMENTAL-PLANNING. WATER-RESOURCES MANAGEMENT. CONTINGENCY-PLANNING.

WATER-REUSE

MCKIM MP : DESIGN, DEVELOPMENT & APPLICATION OF WATER & AIR-POLLUTION ABATEMENT DEVICES. EXAMPLES ARE ROTATING BIOLOGICAL CONTACTORS, PHENOL CONTROL, WATER-REUSE SYSTEMS & USE OF PEAT FOR SEWAGE TREATMENT.

WATER-SUPPLIES

TAYLOR MC : FORMULATING GUIDELINES RE WATER-QUALITY OBJECTIVE FOR INLAND WATERS FOR: AQUATIC AND WILDLIFE; RAW PUBLIC WATER-SUPPLIES; AGRICULTURE-IRRIGATION; LIVESTOCK WATERING; RECREATION; INDUSTRY.

WATER-SUPPLY

CASEY PJ : ON-SITE SEWAGE DISPOSAL (ALL ASPECTS). WATER-SUPPLY (REGULATORY). SEWAGE COLLECTION & DISPOSAL (CENTRAL) (REGULATORY).
DROSTE RL : THEORY AND DESIGN OF WATER AND WASTEWATER-TREATMENT SYSTEMS. APPROPRIATE TECHNOLOGIES FOR WATER-SUPPLY AND SANITATION IN DEVELOPING-COUNTRIES.
NEILSON JM : MINERAL EXPLORATION. MINE DEVELOPMENT. MINE-TAILINGS DISPOSAL. SOLID & LIQUID-WASTE DISPOSAL. REGENERATION OF MINED AREAS. REVEGETATION: TEMPERATE & TROPICAL. SURFACE & SUBSURFACE POLLUTION. ACID-RAIN RESEARCH (CANADA & NORWAY). WELL DRILLING: SUBSURFACE WATER-SUPPLY.
SHARP DS : ENVIRONMENTAL-HEALTH MANAGEMENT, PUBLIC-HEALTH EXPERIENCE IN DEVELOPING AND MONITORING WATER-SUPPLY AND SANITATION RESEARCH PROPOSALS. THE TOPICS COVERED ARE: TECHNOLOGY DEVELOPMENT, SOCIAL AND MANAGEMENT STUDIES, HEALTH IMPACT STUDIES, WASTE-REUSE RESEARCH, AND MANPOWER DEVELOPMENT PROJECTS.

WATER-TREATMENT

ANDERSUN JC : COLOUR REMOVAL MECHANISMS INCLUDING ALUM WITH OTHER WATER-TREATMENT CHEMICALS, OZONE AND SLOW SAND FILTRATION. EFFICIENCY AND ENERGY CONVERSION CAPABILITIES.
DAVIS E : BIOLOGICAL WASTE-TREATMENT FOR DOMESTIC AND INDUSTRIAL APPLICATIONS. PREVENTION OR REDUCTION OF TOTAL TRIHALOMETHANES BY MEANS APPLICABLE TO UNSOPHISTICATED WATER-TREATMENT PLANTS. ENVIRONMENTAL-IMPACT-ASSESSMENT TECHNIQUES MICRO COMPUTER BASED.
MARSAN A : IMPACT-ASSESSMENT, RISK-ANALYSIS, RESOURCE INVENTORIES AND SITE ROUTE SELECTION STUDIES FOR INDUSTRIES, PORTS, TRANSMISSION LINES ETC. DESIGNED & IMPLEMENTED DECONTAMINATION WASTE & WATER-TREATMENT PROJECTS.
SIMS MP : PROVINCIAL RESEARCH PROGRAMS ON ACID-DEPOSITION, AIR-QUALITY & CLIMATE, RECLAMATION, WATER-RESOURCES; WATER-TREATMENT & WASTE-MANAGEMENT, ENVIRONMENTAL CONTAMINANTS. INTERESTS IN RISK-ASSESSMENT, BIOTECHNOLOGY & LAND RESOURCE INVENTORY.

WATER-USE

BARLISHEN WJ : RESEARCH, ANALYSIS OF CONSUMPTIVE WATER-USE (AGRICULTURAL, INDUSTRIAL, MUNICIPAL) IN ALBERTA. ECONOMIC ANALYSIS OF QUANTIFIABLE & NON QUANTIFIABLE BENEFIT-COST-ANALYSIS OF WATER-RESOURCE DEVELOPMENT & MANAGEMENT IN ALBERTA.
GRAY DM : RESEARCH INTO HYDROLOGICAL PROBLEMS IMPORTANT TO COLD CLIMATE REGIONS & SEMI-ARID ENVIRONMENT. INTERESTS INCLUDE: HEAT & MASS TRANSFER IN FREEZING SOILS; SNOWMELT INFILTRATION & STREAMFLOW SIMULATION; WATER-USE.
REYNOLDS PJ : PLANNING, COORDINATING AND CONDUCTING A PROGRAM OF LARGELY DIVERSE STUDIES RELATED TO WATER-RESOURCES POLICY STRATEGIES AND MANAGEMENT INTERFACES WITH FOOD, FIBRE, ENERGY AND MINERALS DEVELOPMENT OF WATER-USE ANALYSIS MODELS. CONDUCTING NATIONAL WATER-USE SURVEYS. EVALUATION OF THE VALUE OF WATER-RESOURCES SYSTEMS.
SPINK EF : INVENTORS AND DEVELOPERS OF WATERLOO SCRUBBERS, A LOW ENERGY, LOW WATER-USE, WET-SCRUBBERS CAPABLE OF ULTRA HIGH REMOVAL OF SUB-MICRON PARTICULATE, GASES, ACID-MISTS AND ORGANIC FUMES.

WATERBIRDS

WESELOH DV : LEVELS OF TOXIC-CHEMICALS, DISTRIBUTION AND POPULATION LEVELS OF COLONIAL WATERBIRDS ON THE GREAT-LAKES.

WATERFOWL

BOYD H : STATUS, BIOLOGY, POPULATION-DYNAMICS AND MANAGEMENT OF HOLARCTIC BIRDS, ESPECIALLY WATERFOWL, SHOREBIRDS AND SEABIRDS. DUCK HUNTING AND DUCK NUMBERS.
REED A : RESEARCH ON ECOLOGY OF MIGRATORY-BIRDS AND THEIR HABITATS, PRINCIPALLY WATERFOWL AND OTHER AQUATIC SPECIES.

WATERS

DUTKA BJ : MICROBIAL METHODOLOGY, MICROBIAL TOXICITY SCREENING TESTS, LEGIONELLA IN WATER, COLIPHAGE ENUMERATION, WATER-QUALITY ESTIMATION, BACTERIAL POLLUTION OF WATERS, MICROBIAL POPULATION ESTIMATES; WATER, POTABLE-WATER, SEDIMENT WATER QUALITY STANDARDS.
FORD JS : DEVELOPING AND DESIGNING MEASURING SYSTEMS FOR ENVIRONMENTAL VARIABLES IN INLAND WATERS; INSTRUMENT DESIGN AND EVALUATION.
FORTESCUE JAC : ENVIRONMENTAL GEOCHEMICAL SURVEYS GEOCHEMICAL STUDIES OF ENVIRONMENTAL DECLINE IN WATERS AND FORESTS OF THE CANADIAN SHIELD.
HAY GW : ANALYSIS OF ORGANIC CONSTITUENTS OF SOIL & SURFACE & MARINE WATERS WITH EMPHASIS ON CARBONHYDRATES & S- & N- CONTAINING ORGANIC-COMPOUNDS.
HURLEY DA : ECOLOGICAL STUDIES IN EUTROPHIC WATERS; ROLE OF PREDATOR PREY INTERACTIONS IN SHAPING ECOSYSTEMS; BIOENERGETICS OF WALLEYE, YELLOW-PERCH; TRENDS IN FISH SPECIES ASSOCIATIONS OVER TIME.

WATERS

JURY JW : INVESTIGATION OF RADON GAS IN NATURAL WATERS. TRACE-ELEMENT ANALYSIS USING PHOTON & NEUTRON ACTIVATION TECHNIQUES. PHOTON SPECTROSCOPY (GAMMA-RAYS). RADIATION IMAGING & MONITORING.

MARSALEK J : CHARACTERIZATION OF CONTRIBUTIONS OF URBAN LAND RUNOFF TO THE POLLUTION OF RECEIVING WATERS, FIELD AND COMPUTER-SIMULATION STUDIES OF SUCH CONTRIBUTIONS.

MCLEAN DM : ARBOVIRUS FIELD AND LABORATORY INVESTIGATIONS IN ARCTIC CANADA. MICROBIOLOGICAL (VIROLOGICAL) STANDARDS FOR ENVIRONMENTAL WATERS (FRESH AND MARINE).

MORIN JR : RESEARCH RELATES TO RESOURCE DEVELOPMENT, RESOURCE CONSERVATION & THE PROTECTION OF PUBLIC SAFETY & RESOURCES FROM NATURAL HAZARDS PLANS ARE PREPARED FOR CROWN LANDS, WATERS, FORESTS, PARKS, FISH & WILDLIFE RESOURCES TO PROMOTE THEIR WISE MANAGEMENT FOR ECONOMIC & SOCIAL BENEFIT.

NAISH VA : ENVIRONMENTAL-IMPACT-ASSESSMENT PARTICULARLY RELATED TO TOXICITY AND TAINTING OF AQUATIC COMMUNITIES AND TASTE OR ODOUR OF RECEIVING WATERS.

ROBERTSON W : DETECTION AND IDENTIFICATION OF INDICATOR AND PATHOGENIC MICROORGANISMS IN FRESH AND MARINE WATERS. FERMENTATION OF CROP AND WOOD WASTES TO PRODUCE RUMINANT FEEDS. UTILIZATION OF MYCORRHIZAL FUNGI TO INCREASE CROP PRODUCTIVITIES.

SALTER RS : STUDY OF MINE AND MILL EFFLUENT TAILINGS, SLURRIES AND WATERS. CYANIDE DESTRUCTION, HEAVY-METALS PRECIPITATION, SUSPENDED-SOLIDS REMOVAL.

SMITH AE : DEVELOPMENT OF ANALYTICAL PROCEDURES FOR THE EXTRACTION AND ANALYSIS OF HERBICIDES IN SOILS AND WATERS. DETERMINE THE PERSISTENCE OF HERBICIDES IN SOILS UNDER LABORATORY AND FIELD CONDITIONS. ISOLATE AND CHARACTERIZE HERBICIDE DEGRADATION PRODUCTS IN SOILS.

STOCKNER JG : RESEARCH ON TROPHO-DYNAMICS OF LAKES AND COASTAL MARINE WATERS OF BRITISH-COLUMBIA, SPECIALIZING IN AUTOTROPHIC PRODUCTION AND NUTRIENT DYNAMICS.

TAYLOR MC : FORMULATING GUIDELINES RE WATER-QUALITY OBJECTIVE FOR INLAND WATERS FOR: AQUATIC AND WILDLIFE; RAW PUBLIC WATER-SUPPLIES; AGRICULTURE-IRRIGATION; LIVESTOCK WATERING; RECREATION; INDUSTRY.

THORPE JW : ANALYSIS OF ORGANICS AND INORGANICS IN NATURAL AND PROCESS WATERS; EVALUATION OF INDOOR AIR-QUALITY IN HOMES AND OFFICES; ON-LINE ANALYSIS OF SUB-PPM LEVELS OF HYDROGEN-SULPHIDE IN WATER.

VISSER SA : EFFECTS OF MANURES, COMPOSTS & HUMIC-SUBSTANCES ON SOIL MICROFLORA, HIGHER PLANTS, SOIL PROPERTIES & ON POLLUTION OF NATURAL WATERS.

WATERSHED

AMBLER DC : SURFACE-WATER HYDROLOGY IN THE ATLANTIC PROVINCES AND THE EASTERN ARCTIC ISLANDS. RUNOFF SIMULATION. WATERSHED FORECASTING.

BURNEY JR : SOIL AND WATER ENGINEERING AREA OF AGRICULTURAL ENGINEERING, PRINCIPALLY SMALL WATERSHED HYDROLOGY. ADDITIONALLY IRRIGATION AND DRAINAGE OF AGRICULTURAL LAND.

DICKISON RBB : CHANGES IN WATER AND ENERGY BALANCES, STREAMFLOW REGIME AND SNOW-COVER AFTER FOREST HARVESTING ARE BEING RESEARCHED AS PART OF THE NASHWAAK EXPERIMENTAL WATERSHED PROJECT. THE INFLUENCE OF LOW-LEVEL TEMPERATURE INVERSIONS AND LAPSE RATES ON THE EFFICACY OF AERIAL SPRAYS ARE BEING STUDIED IN CONJUNCTION WITH THE NEW-BRUNSWICK SPRAY EFFICACY RESEARCH GROUP.

DILLON P : EFFECTS OF ATMOSPHERIC-DEPOSITION ON AQUATIC-CHEMISTRY THROUGH THE USE OF THE CALIBRATED WATERSHED TECHNIQUE. A WIDE VARIETY OF BIOLOGICAL STUDIES AND TERRESTRIAL INVESTIGATIONS ARE ALSO COORDINATED AT THE CENTRE.

KENG JCW : SOIL-PHYSICS, SOIL & WATER-ENGINEERING, AGRICULTURAL HYDROLOGY; WATERSHED MANAGEMENT; CONSERVATION FARMING.

MADRAMOOTOO C : AGRICULTURAL HYDROLOGY, WATERSHED ENGINEERING, ESTIMATION OF PEAK FLOWS, HYDROLOGIC TIME PARAMETERS & HYDROGRAPH ANALYSIS. TRICKLE IRRIGATION SYSTEM DESIGN. SOIL EROSION & SEDIMENTATION, ESTIMATION PESTICIDE & CHEMICAL LOSSES FROM AGRICULTURAL WATERSHEDS.

WHITELEY HR : IMPACT OF AGRICULTURAL USE OF LAND, INCLUDING DRAINAGE ON QUALITY & QUANTITY OF STREAMFLOW & GROUNDWATER. WATERSHED MONITORING OF SNOWMELT INCLUDING ACID SHOCK EFFECTS.

WATERSHEDS

JONES HG : CHEMISTRY OF SNOW FALL & SNOW-COVER. SNOWMELT IN NORTHERN ECOSYSTEMS. DRY DEPOSITION & TRANSFORMATION OF N-SPECIES TO SNOW-COVER IN BOREAL-FOREST WATERSHEDS.

KALFF J : AQUATIC ECOLOGY, LIMNOLOGY, MACROPHYTES AND PHYTOPLANKTON. NUTRIENTS, PRODUCTION AND BIOMASS. WATERSHEDS. NUTRIENT AND TOXINS RELATIONSHIPS OF PRIMARY PRODUCTION TO SECONDARY AND FISH PRODUCTION. TROPICAL, TEMPERATE AND ARCTIC LAKES.

MADRAMOOTOO C : AGRICULTURAL HYDROLOGY, WATERSHED ENGINEERING, ESTIMATION OF PEAK FLOWS, HYDROLOGIC TIME PARAMETERS & HYDROGRAPH ANALYSIS. TRICKLE IRRIGATION SYSTEM DESIGN. SOIL EROSION & SEDIMENTATION, ESTIMATION PESTICIDE & CHEMICAL LOSSES FROM AGRICULTURAL WATERSHEDS.

NEWBURY RW : RIVER AND STREAM BEHAVIOUR AND HABITATS, FIELD EXPLORATION TECHNIQUES FOR CHARACTERIZING UNMAPPED WATERSHEDS AND STREAM CHANNELS, CHANNEL STABILITY, STREAM HYDROLOGY, DRAINAGE BASIN EXPLORATION.

WALLER DH : URBAN STORMWATER QUALITY AND QUANTITY. NON-POINT SOURCE POLLUTION. URBAN RESEARCH WATERSHEDS. RAIN-WATER CISTERN SYSTEMS. ON-SITE SEWAGE DISPOSAL.

WATERWORKS

BALACKO GD : ASSIST WITH DEVELOPMENT & IMPLEMENTATION OF TRAINING MATERIAL FOR WATERWORKS AND SEWAGE WORKS OPERATORS MANAGING SMALL SYSTEMS.

WAVES

CLODMAN S : SHORT-RANGE COMPUTER WEATHER FORECASTING METHODS, ESPECIALLY PATTERN-RECOGNITION TECHNIQUES. MESOSCALE (INERTIO-GRAVITY) WAVES OF THE TROPOSPHERE. FORECASTING WIND-DRIVEN OCEAN AND LAKE SURFACE WAVES.
SKAFEL MG : INTERACTION OF WATER WAVES & COHESIVE & NON-COHESIVE SEDIMENTS, SHORELINE EVOLUTION, WAVE STRUCTURE INTERACTION, WAVE HINDCASTING.

WEATHER

CHISHOLM AJ : MANAGEMENT OF RESEARCH IN STRATOSPHERIC POLLUTION, OZONE MONITORING, SOLAR ENERGY, WEATHER RADAR, CLOUD PRECIPITATION PHYSICS, CLOUD CHEMISTRY & ACID-FOG. HEAD, CANADIAN DELEGATION NEGOTIATING THE VIENNA CONVENTION FOR THE PROTECTION OF THE OZONE LAYER.
CHRISTIE WJ : FISH POPULATION-DYNAMICS. EFFECTS OF WEATHER, SEA LAMPREY, OVER-FISHING ON YIELDS FROM ECONOMICALLY IMPORTANT LAKE ONTARIO FISH-STOCKS. FISH COMMUNITY DYNAMICS; ANALYSIS OF HISTORICAL TRENDS IN LAKE ONTARIO; IDENTIFICATION OF STRESS EFFECTS. ECOSYSTEM STUDIES. STRATEGIC FISHING MANAGEMENT PLANNING.
CLODMAN S : SHORT-RANGE COMPUTER WEATHER FORECASTING METHODS, ESPECIALLY PATTERN-RECOGNITION TECHNIQUES. MESOSCALE (INERTIO-GRAVITY) WAVES OF THE TROPOSPHERE. FORECASTING WIND-DRIVEN OCEAN AND LAKE SURFACE WAVES.
FORMAN RM : AERIAL-PHOTO INTERPRETATION: MILITARY PHOTO INTELLIGENCE; METEOROLOGICAL SATELLITE PHOTO INTERPRETATION: REPRODUCTION AND DISTRIBUTION OF WEATHER SATELLITE IMAGERY: FACSIMILE TRANSMISSION AND RECEPTION EQUIPMENTS: PUBLISHED A GUIDE TO THE INTERPRETATION OF SATELLITE CLOUD PHOTOS.
ISAAC GA : RESEARCH ON CLOUD PHYSICS, CLOUD CHEMISTRY, AEROSOL PHYSICS, ACID-RAIN, MESOSCALE METEOROLOGY, WEATHER RADAR, WEATHER MODIFICATION, CLOUD CLIMATOLOGY & AIRCRAFT METEOROLOGICAL INSTRUMENTATION.
LADOCHY S : SYNOPTIC CLIMATOLOGY, ESPECIALLY SEVERE WEATHER, AIR-POLLUTION METEOROLOGY, AND URBAN-CLIMATOLOGY.
LAWRENCE GR : RESOURCE EXPLORATION AND PRODUCTION SUPPORT, GROUNDWATER AND WASTE-SITE EVALUATION, WEATHER MODIFICATION AND METEOROLOGICAL SERVICES, REMOTE-SENSING AND BIOPHYSICAL STUDIES. PETROLEUM ENGINEERING, HYDROGEOLOGICAL, ATMOSPHERIC AND BIOPHYSICAL ASSESSMENTS.
LOWRY RT : RADAR REMOTE-SENSING; ICE MANAGEMENT SYSTEMS; ATMOSPHERIC MODELLING; GROUNDWATER MODELLING GEOLOGICAL TESTING, LAND-USE MAPPING; WEATHER MODIFICATION; APPLIED MECHANICS.
MACPHERSON JI : OPERATE NRC TWIN OTTER ATMOSPHERIC RESEARCH AIRCRAFT IN FOLLOWING TYPES OF EXPERIMENTS: WEATHER MODIFICATION, AIR SAMPLING, TURBULENCE RESEARCH, CO2-FLUX MEASUREMENT, ACID-RAIN RESEARCH.
MAYBANK J : RESEARCH IN CLOUD PHYSICS, INCLUDING WEATHER MODIFICATION AND IMPACT-ASSESSMENT FOR AGRICULTURE; AEROSOL AND SPRAY DROPLET DISSEMINATION, ESPECIALLY RELATED TO PESTICIDE SPRAY APPLICATION AND SPRAY DRIFT; AGROCLIMATOLOGY AND AIR-POLLUTION.
MCBOYLE GR : SOCIAL, POLITICAL & LEGISLATIVE ASPECTS OF PURPOSEFUL WEATHER MODIFICATION.
SKEY SGP : WEATHER AND SEA STATE FORECASTING (REAL TIME, 24 HRS/DAY/YEAR ROUND). METEOROLOGICAL MONITORING, FIELD STUDIES, NUMERICAL MODELLING, POLLUTION STUDIES, AGRICULTURAL AND WATER-RESOURCE STUDIES. OCEANOGRAPHIC CONSULTING, CURRENT, TIDE AND WAVE MEASUREMENTS AND ANALYSIS FROM SHALLOW WATER TO DEEP OCEAN.
ZAMMUTO RM : RELATIONSHIPS AMONG VARYING ENVIRONMENTAL CONDITIONS AND LIFE-HISTORIES OF BIRD AND MAMMAL POPULATIONS IN MONTANE OR BOREAL AREAS. TERRESTRIAL-ECOLOGY, ZOOLOGY, SURVIVAL, WILDLIFE, NON-GAME, REPRODUCTION, ORNITHOLOGY, WEATHER, BIOMETEOROLOGY, BIOMETRICS, BOREAL, CLIMATE, CONSERVATION, METEOROLOGY, MAMMAL POPULATION.

WEED

BOWREN KE : TESTING HERBICIDES FOR WEED CONTROL IN BARLEY, FLAX AND CANOLA CROPS.
LABAJ AB : WEED SCIENCE; PERENNIAL WEED CONTROL; PLANT NUTRITION; TISSUE CULTURING (STERILE CULTURE) OF PERENNIAL WEEDS. BIOTYPICAL STUDIES OF WEEDS; WEED PHYSIOLOGY.
QURESHI FA : PLANT PHYSIOLOGY. MODE OF ACTION OF HERBICIDES, ENVIRONMENTAL FACTORS AND PERFORMANCE OF HERBICIDES, CHEMICAL WEED CONTROL IN CEREALS AND OILSEED CROPS, EXTENSION AND ADVISORY SERVICE IN WEED CONTROL AND HERBICIDE DAMAGE DIAGNOSTIC.
RAJU MVS : RESEARCH INTERESTS HAVE BEEN THE STUDIES ON VARIOUS ASPECTS OF ANATOMY AND MORPHOLOGY OF VASCULAR PLANTS OF THE PRAIRIES. MORPHOLOGICAL STUDIES INCLUDE LIFE-HISTORIES OF PLANTS, ESPECIALLY OF SOME SELECTED PRAIRIE WEED SPECIES, SUCH AS LEAFY-SPURGE (EUPHORBIA-ESULA-L.), WILD OATS (AVENA-FATUA-L.), ETC.
SHARMA MP : BEHAVIOUR & FATE OF HERBICIDES IN SOIL & PLANTS; CHEMICAL WEED CONTROL IN CEREAL & OILSEED CROPS; EFFECT OF ENVIRONMENTAL FACTORS ON HERBICIDE PERFORMANCE; CHEMICAL DAMAGE DIAGNOSTICS; EXTENSION SERVICE & RESEARCH.

WEEDS

HARRIS P : BIOLOGICAL CONTROL OF WEEDS. SPECIFICALLY INVOLVED WITH THE CONTROL OF CARDUUS SPP. CENTAUREA SPP., EUPHORBIA SPP. AND SENECIO-JACOBAEA IN CANADA BUT HAVE A BROAD INTEREST IN THE APPLICATION OF BIOCONTROL OF WEEDS THROUGHOUT THE WORLD AS WELL AS IN THE THEORY AND REGULATION OF THE METHOD.
LABAJ AB : WEED SCIENCE; PERENNIAL WEED CONTROL; PLANT NUTRITION; TISSUE CULTURING (STERILE CULTURE) OF PERENNIAL WEEDS. BIOTYPICAL STUDIES OF WEEDS; WEED PHYSIOLOGY.
LECHOWICZ MJ : ECOLOGY OF PLANT PRODUCTIVITY. CONTROLS ON PLANT GROWTH AND REPRODUCTION, ESPECIALLY FOR ANNUAL WEEDS LIKE XANTHIUM-STRUMARIUM. NATURAL TREE DEFENSES AGAINST LEAF-FEEDING CATERPILLARS. CLIMATIC CONTROL OF LICHEN PRODUCTIVITY. ACID-RAIN EFFECTS ON LICHEN PRODUCTIVITY.

WET-SCRUBBERS

SPINK EF : INVENTORS AND DEVELOPERS OF WATERLOO SCRUBBERS, A LOW ENERGY, LOW WATER-USE, WET-SCRUBBERS CAPABLE OF ULTRA HIGH REMOVAL OF SUB-MICRON PARTICULATE, GASES, ACID-MISTS AND ORGANIC FUMES.
ST PIERRE CC : AIR-POLLUTION CONTROL; WET-SCRUBBERS; SOURCE EMISSION MEASUREMENTS; RISK-ASSESSMENT; INDOOR AIR-POLLUTION MODELLING & MEASUREMENT; QUANTIFICATION OF ODOUR IMPACT LABORATORY ANALYSIS AND DISPERSION MODELLING.

WET-SCRUBBING

DE SOUZA TLC : MONITORING OF SULPHUR GASES FROM SUCH PROCESSES AS KRAFT PULPING IN THE MANUFACTURE OF PAPER. EXPERTISE IN WET-SCRUBBING OF TOTAL REDUCED SULPHUR GASES IN ORDER TO MEET COMPLIANCE REQUIREMENTS.

WETLAND

CROWDER A : UPTAKE OF METALS BY WETLAND PLANTS. IRON PLAQUES ON ROOTS. INVENTORY OF VEGETATION IN EUTROPHIC & OTHER WETLANDS. IMPACT-ASSESSMENT PARTICULARLY OF PARK USAGE, HERBARIUM CURATOR.
JEGLUM JK : WETLAND AND PEATLAND CLASSIFICATION AND ECOLOGY; BLACK-SPRUCE REGENERATION; SILVICULTURE; VEGETATION AND FLORISTICS OF BOREAL-FORESTS; SUCCESSION AND DYNAMICS OF BOREAL-FORESTS.
KEDDY PA : ENVIRONMENTAL FACTORS REGULATING SPECIES COMPOSITION IN WETLANDS VEGETATION. HUMAN IMPACTS ON WETLAND VEGETATION. STATUS OF RARE AND OR ENDANGERED-PLANTS (WETLANDS). TECHNIQUES EMPHASIZE EXPERIMENTS CONDUCTED UNDER FIELD CONDITIONS - ' EXPERIMENTAL COMMUNITY ECOLOGY'.
KERR DC : ENVIRONMENTAL-IMPACT-ASSESSMENT ON AQUATIC & TERRESTRIAL ENVIRONMENTS; WATER-QUALITY ASSESSMENT; WETLAND PRESERVATION. WATER-QUALITY INSTREAM COMPUTER-MODELLING; HYDRODYNAMIC-MODELLING; ENVIRONMENTAL-PLANNING & RESOURCE-MANAGEMENT.
MACLOCK B : FLOODPLAIN MANAGEMENT: INCLUDES FLOOD RISK MAPPING & FLOOD DAMAGE ESTIMATES. FLOOD PROOFING & FLOOD WARNING: TO REDUCE FLOOD DAMAGE POTENTIAL. DRAINAGE & WETLAND MANAGEMENT: MULTIDISCIPLINARY METHODS IN THE CONTEXT OF ECONOMIC EFFICIENCY AND ENVIRONMENTAL NEEDS. MEASURING AMOUNTS AND TYPES OF WETLANDS USING SATELLITE, REMOTE-SENSING & COLOUR-INFRARED AERIAL-PHOTOGRAPHY.
MULAMOOTTIL G : WETLAND ECOLOGY; LAND-USE AND ENCROACHMENTS IMPACTING ON WETLANDS; URBAN DRAINAGE PROBLEMS FOCUSSING ON STORMWATER MANAGEMENT; DETENTION FACILITIES; ENVIRONMENTAL-IMPACT-ASSESSMENTS RELATED TO WATER-RESOURCES.
SIMS RA : VEGETATION AND SITE-CLASSIFICATION OF BOREAL-FORESTS. SUBARCTIC WETLAND AND ARCTIC TUNDRA AREAS. FOREST-ECOSYSTEM CLASSIFICATION OF BOREAL NORTHERN ONTARIO. REMOTE-SENSING FOR VEGETATION STUDY; MAPPING AND INVENTORY (USING SATELLITE AND AERIAL-PHOTO DATA).
WELCH W : PLANT ECOLOGY, WETLAND FOREST SUCCESSION, PLANT SUCCESSION FOLLOWING RIGHT OF WAY CONSTRUCTION, VEGETATION MANAGEMENT ON ELECTRICAL TRANSMISSION RIGHTS OF WAY, VEGETATION INVENTORIES, COAL FLY-ASH RECLAMATION AND EROSION CONTROL.

WETLANDS

CROWDER A : UPTAKE OF METALS BY WETLAND PLANTS. IRON PLAQUES ON ROOTS. INVENTORY OF VEGETATION IN EUTROPHIC & OTHER WETLANDS. IMPACT-ASSESSMENT PARTICULARLY OF PARK USAGE, HERBARIUM CURATOR.
GLOOSCHENKO W : ECOLOGY OF WETLANDS; PEAT; LONG-RANGE TRANSPORT OF ATMOSPHERIC-POLLUTANTS, TRACE-ELEMENT GEOCHEMISTRY.
KEDDY PA : ENVIRONMENTAL FACTORS REGULATING SPECIES COMPOSITION IN WETLANDS VEGETATION. HUMAN IMPACTS ON WETLAND VEGETATION. STATUS OF RARE AND OR ENDANGERED-PLANTS (WETLANDS). TECHNIQUES EMPHASIZE EXPERIMENTS CONDUCTED UNDER FIELD CONDITIONS - ' EXPERIMENTAL COMMUNITY ECOLOGY'.
LEVINGS CD : ESTUARINE ECOLOGY OF BENTHOS & FISH. PHYSICAL IMPACTS ON WETLANDS SUPPORTING FISHERIES RESOURCES. RIVER ECOLOGY & EFFECTS OF BANKSIDE & RIPARIAN HABITAT DISRUPTION. BENTHIC ECOLOGY & COMMUNITIES IN FIORDS. ESTUARINE & RIVERINE HABITAT RESTORATION.

WETLANDS

MACLOCK B : FLOODPLAIN MANAGEMENT: INCLUDES FLOOD RISK MAPPING & FLOOD DAMAGE ESTIMATES. FLOOD PROOFING & FLOOD WARNING: TO REDUCE FLOOD DAMAGE POTENTIAL. DRAINAGE & WETLAND MANAGEMENT: MULTIDISCIPLINARY METHODS IN THE CONTEXT OF ECONOMIC EFFICIENCY AND ENVIRONMENTAL NEEDS. MEASURING AMOUNTS AND TYPES OF WETLANDS USING SATELLITE, REMOTE-SENSING & COLOUR-INFRARED AERIAL-PHOTOGRAPHY.

MULAMOOTTIL G : WETLAND ECOLOGY; LAND-USE AND ENCROACHMENTS IMPACTING ON WETLANDS; URBAN DRAINAGE PROBLEMS FOCUSSING ON STORMWATER MANAGEMENT; DETENTION FACILITIES; ENVIRONMENTAL-IMPACT-ASSESSMENTS RELATED TO WATER-RESOURCES.

OSWALD ET : VEGETATION CLASSIFICATION AND MAPPING, PLANT ECOLOGY, FOREST RESOURCE ANALYSES AND ENVIRONMENTAL-IMPACT-ASSESSMENTS IN NORTH AND WEST CANADA. EXPERTISE IN VEGETATION CLASSIFICATION, SITE-ANALYSIS, PLANT-SUCCESSION, WETLANDS AND REMOTE-SENSING.

ROSENBERG DM : DESIGN OF ENVIRONMENTAL-IMPACT STUDIES; EFFECTS OF ENVIRONMENTAL DISTURBANCES ON MACROBENTHIC INVERTEBRATES; SAMPLING METHODS & DESIGN OF SAMPLING PROGRAMS FOR MACROBENTHOS; ECOLOGY OF CHIRONOMIDAE; AQUATIC INSECTS OF FRESHWATER WETLANDS.

RUBEC CDA : EFFECTS OF ACID-PRECIPITATION & ECOSYSTEMS AT RISK. ASSESSMENT OF RESOURCES AT RISK TO ACID-RAIN. WETLANDS & LAND CONSERVATION. LAND USE MONITORING. ECOLOGICAL LAND SURVEY. NORTHERN ECOLOGY.

ZOLTAI SC : RESEARCH IN DYNAMICS OF WETLANDS IN ARCTIC, SUBARCTIC AND BOREAL REGIONS. RESEARCH IN ENVIRONMENTAL-IMPACT-ASSESSMENT AND IN PLANT SOIL RELATIONSHIPS IN THE ABOVE REGIONS OF CANADA.

WHEAT

MCKENZIE RIH : WHEAT BREEDING. GENETICS. THE DEVELOPMENT OF BETTER AND MORE DISEASE RESISTANT WHEAT FOR THE EASTERN CANADIAN PRAIRIES.

PIENING L : CHEMICAL AND BIOLOGICAL CONTROL OF CEREAL DISEASES. BACTERIAL DISEASES OF WHEAT.

WHITEFISH

LIAW WK : LIMNOLOGICAL AND FISHERIES INVESTIGATIONS; ASSESSMENT OF FISH-STOCKS; AQUATIC ENVIRONMENTAL-IMPACT-ASSESSMENT; LAKE WATER-QUALITY AND TROPHIC STATUS ASSESSMENT; CULTURE OF FISH FINGERLINGS (WALLEYE AND WHITEFISH).

WILD-RICE

AIKEN SG : AQUATIC PLANTS IN CANADA (WILD-RICE, ZIZANIA & WATER MILFOIL, MYRIOPHYLLUM) GRASSES, ESPECIALLY FESTUCA, IN NORTH AMERICA. COMPUTER GENERATION OF TAXONOMIC KEYS & DESCRIPTIONS IN FRENCH & ENGLISH. BEGINNING WORK ON THE FLORA OF THE CANADIAN HIGH ARCTIC ISLANDS.

STEWART JM : PRODUCTION ACCUMULATION DYNAMICS OF PEATLAND; PEAT-CLASSIFICATION AND INVENTORY TECHNIQUES (REMOTE-SENSING); ECOLOGY OF WILD-RICE. UNGULATE RESPONSE TO HABITAT MANIPULATION; ECOLOGY OF HYDRO TRANSMISSION RIGHTS OF WAY.

WILDERNESS

MANITOBA NATURALISTS SOCIETY : FIVE ACTION COMMITTEES MONITOR THE ENVIRONMENT OF MANITOBA IN PARTICULAR, BUT ALSO STUDY NATIONAL AND INTERNATIONAL ISSUES. THEY ARE PARKS, WILDLIFE, URBAN-ENVIRONMENT, HABITAT CONSERVATION AND ENVIRONMENTAL ACTION. VARIOUS POSITION PAPERS AND BRIEFS ARE WRITTEN REGARDING ENVIRONMENTAL ISSUES AND BROUGHT FORWARD TO THE GOVERNMENT AND INDUSTRY RESPONSIBLE. HECLA ISLAND MANAGEMENT PLAN, LOGGING IN ATIKAKI WILDERNESS AREA, CITY OF WINNIPEG RIVERS AND STREAM AUTHORITY, HYDRO ELECTRIC DEVELOPMENT (CONAWAPA) AND STORAGE OF NUCLEAR-WASTE.

WEIN RW : RESEARCH INTERESTS INCLUDE USE OF FIRE IN NATIONAL PARKS & WILDERNESS AREAS. BASIC STUDIES INTERESTS INCLUDE POST FIRE NUTRIENT-CYCLING AND PRIMARY PRODUCTION.

WILDLAND

DONALDSON GR : URBAN LAND-USE PLANNING. URBAN WILDLAND PARKS.

STRANG RM : RESEARCH MANAGEMENT AND DIRECTION; FIRE AS AN ECOLOGICAL FACTOR AND TOOL FOR FOREST AND WILDLAND MANAGERS; ECOLOGICAL CONSIDERATIONS IN LAND-USE PLANNING AND MANAGEMENT.

WILDLIFE

BROUGHTON E : WILDLIFE STUDIES: HEALTH STATUS OF POPULATIONS AND INVESTIGATION OF DISEASE OUTBREAKS. CHEMICAL RESTRAINT OF WILDLIFE. DEVELOPMENT OF GUIDELINES FOR TRANSPORTATION OF WILDLIFE. ASSESSMENT OF FACILITIES.

WILDLIFE

BURGESS LCN : FLOOD HAZARD EVALUATION THROUGH REMOTE-SENSING. ENVIRONMENTAL-PROTECTION. SUBUNIT'S EXPERTISE ALSO INCLUDES OCEANOGRAPHY, WILDLIFE, FISHERY & MARINE BIOLOGY, HYDROLOGY, GEOMORPHOLOGY, MARINE MAMMALS, ENVIRONMENTAL-ENGINEERING.

DE'ATH CE : KOREA: RESEARCH ON POPULATION, AIR & WATER-QUALITY, NUCLEAR-WASTE, AGRICULTURE & INDUSTRIAL POLLUTION WILDLIFE. PAPUA-NEW-GUINEA: MANUS-ISLAND & FORESTRY DEVELOPMENT IMPACTS. CANADA: SOCIAL & ENVIRONMENTAL-ASSESSMENT (LAKE EUGENIA, NWT), ENERGY EDUCATION IN ONTARIO, MINING IN WINDIGO TRIBAL AREA OF NORTHERN ONTARIO.

EASTMAN DS : HABITAT RELATIONSHIPS OF WILDLIFE & THE IMPACT OF FORESTRY & OTHER RESOURCE USE ACTIVITIES ON THEM. POPULATION RELATED ASPECTS OF WILDLIFE SUCH AS PREDATION, DISEASE & COMPETITION.

FISHER KL : INFLUENCE OF LONG-RANGE-AIRBORNE-POLLUTION ON WILDLIFE VIA FOOD-CHAIN. BIOLOGICAL EFFECTS OF LONG-RANGE DEPOSITION OF HEAVY-METALS & THE CONSEQUENCES FOR WILDLIFE OF METAL MOBILIZATION UNDER ACIDIC CONDITIONS. PROGRAM MANAGER OF LRTAP PROGRAM FOR CANADIAN WILDLIFE SERVICE.

GREEN JE : ENVIRONMENTAL CONSULTING FIRM SPECIALIZING IN APPLIED RESEARCH INVOLVING WILDLIFE POPULATIONS AND WILDLIFE HABITAT. AREAS OF EXPERTISE INCLUDE VEGETATION AND HABITAT ASSESSMENTS, HABITAT EVALUATION MODELLING, BIOLOGICAL MONITORING, BEHAVIOURAL AND DISTURBANCE STUDIES OF WILDLIFE, RECLAMATION PLANNING, WILDLIFE HABITAT ENHANCEMENT AND RECLAMATION, AND PROTECTION PLANNING.

LLOYD K : WILDLIFE POPULATION & HABITAT RESEARCH & MANAGEMENT: INVENTORY PROGRAM, PROBLEM WILDLIFE RESEARCH & MANAGEMENT SURVEY TECHNIQUE RESEARCH & MANAGEMENT PLANS.

LOUIE RH : BIOPHYSICAL SURVEYS (SOILS, SURFICIAL GEOLOGY, VEGETATION, WILDLIFE HABITAT, CLIMATE), LAND USE IN BRITISH-COLUMBIA & APPLICATIONS FOR AGRICULTURE, FORESTRY, WILDLIFE, WATER, FISH & OTHER LAND USE PLANNING, ASSESSMENT AND MONITORING. BASE MAP PRODUCTION (TOPOGRAPHIC, PLANIMETRIC AND CADASTRAL). REMOTE-SENSING.

MANITOBA NATURALISTS SOCIETY : FIVE ACTION COMMITTEES MONITOR THE ENVIRONMENT OF MANITOBA IN PARTICULAR, BUT ALSO STUDY NATIONAL AND INTERNATIONAL ISSUES. THEY ARE PARKS, WILDLIFE, URBAN-ENVIRONMENT, HABITAT CONSERVATION AND ENVIRONMENTAL ACTION. VARIOUS POSITION PAPERS AND BRIEFS ARE WRITTEN REGARDING ENVIRONMENTAL ISSUES AND BROUGHT FORWARD TO THE GOVERNMENT AND INDUSTRY RESPONSIBLE. HECLA ISLAND MANAGEMENT PLAN, LOGGING IN ATIKAKI WILDERNESS AREA, CITY OF WINNIPEG RIVERS AND STREAM AUTHORITY, HYDRO ELECTRIC DEVELOPMENT (CONAWAPA) AND STORAGE OF NUCLEAR-WASTE.

MORIN JR : RESEARCH RELATES TO RESOURCE DEVELOPMENT, RESOURCE CONSERVATION & THE PROTECTION OF PUBLIC SAFETY & RESOURCES FROM NATURAL HAZARDS PLANS ARE PREPARED FOR CROWN LANDS, WATERS, FORESTS, PARKS, FISH & WILDLIFE RESOURCES TO PROMOTE THEIR WISE MANAGEMENT FOR ECONOMIC & SOCIAL BENEFIT.

PEARCE PA : IMPACT OF TOXIC-CHEMICALS ON WILDLIFE, WITH PARTICULAR REFERENCE TO EFFECTS OF INSECTICIDE SPRAYING ON FOREST PASSERINES. PESTICIDE ECOLOGY.

PENDERGAST BA : EVALUATION, CLASSIFICATION & MAPPING OF WILDLIFE HABITAT. DEVELOPMENT OF TECHNIQUES FOR AUTOMATED & MANUAL MAPPING PROCEDURES. DEVELOPMENT OF ECOLOGICAL DATA-COLLECTION TECHNIQUES.

PRICE I : COORDINATING CANADIAN WILDLIFE SERVICE PROGRAM OF CONTACT WITH LATIN-AMERICAN WILDLIFE AGENCIES; ORNITHOLOGY: RAPTORS, LOONS, HERONS. NON-GAME PROGRAM COORDINATOR FOR CANADIAN WILDLIFE SERVICE.

REID RH : MAPPING TECHNICIAN SPECIALIZING IN THE CANADA LAND INVENTORY PROGRAM SOIL, TERRAIN, WILDLIFE, VEGETATION & OTHER RESOURCE MAPPING.

SIMKIN D : WILDLIFE ADMINISTRATION, POLICY AND PROGRAM DEVELOPMENT, RESEARCH AND TECHNOLOGY TRANSFER, LEGISLATION, ENFORCEMENT, USER TRAINING (FIREARM SAFETY, HUMANE-TRAP DEVELOPMENT, TEACHING, NATURALIST TRAINING), ORGANIZATIONAL STRATEGIES, COMMUNICATION WITH PUBLIC.

SURRENDI DC : FISHERIES INCLUDING SPORTFISH MANAGEMENT SURVEYS, COMMERCIAL FISH MANAGEMENT, FISH CULTURE RESEARCH. WILDLIFE INCLUDING BIOLOGICAL RESEARCH ON WILDLIFE SPECIES, HUMANE-TRAPPING RESEARCH. SOCIO-ECONOMIC INCLUDING RESEARCH ON SOCIO-ECONOMIC ASPECTS OF FISH & WILDLIFE RESOURCE USE.

TAYLOR MC : FORMULATING GUIDELINES RE WATER-QUALITY OBJECTIVE FOR INLAND WATERS FOR: AQUATIC AND WILDLIFE; RAW PUBLIC WATER-SUPPLIES; AGRICULTURE-IRRIGATION; LIVESTOCK WATERING; RECREATION; INDUSTRY.

THOMPSON DC : LAND RECLAMATION; WILDLIFE; IMPACT-ASSESSMENT OF INDUSTRIAL DEVELOPMENTS.

WEAVER RS : MANAGEMENT OF RESEARCH IN THE FOLLOWING AREAS: AIR, WATER AND SOIL-ANALYSES; EFFECTS OF ENVIRONMENTAL-CONTAMINANTS IN AIR, WATER AND SOIL ON PLANTS, WILDLIFE AND DOMESTIC ANIMALS, AQUATIC VERTEBRATES AND INVERTEBRATES, AND MICRO-ORGANISMS; HAZARDOUS-WASTE DISPOSAL.

WHITTAM RF : ENVIRONMENTAL AWARENESS PROGRAMS FOR THE GENERAL PUBLIC AND FOR SCHOOLS; PLANNING WILDLIFE INTERPRETATION PROGRAMS, DESIGNING WILDLIFE ORIENTED DISPLAYS AND BROCHURES. MINOR RESEARCH PROJECTS IN FIELD BIOLOGY AND ECOLOGY.

WIKEN EB : TERRESTRIAL-ECOLOGY: ECOLOGICAL LAND-CLASSIFICATION, EVALUATION & MODELLING; LAND CAPABILITY RATING & SUITABILITY; ENVIRONMENTAL-ANALYSIS & MANAGEMENT. COORDINATION ACTIVITIES CONCERNING ACID-RAIN RESEARCH & ENVIRONMENTAL-IMPACT-ASSESSMENT IN AREAS CONCERNING LAND, WATER & WILDLIFE.

ZAMMUTO RM : RELATIONSHIPS AMONG VARYING ENVIRONMENTAL CONDITIONS AND LIFE-HISTORIES OF BIRD AND MAMMAL POPULATIONS IN MONTANE OR BOREAL AREAS. TERRESTRIAL-ECOLOGY, ZOOLOGY, SURVIVAL, WILDLIFE, NON-GAME, REPRODUCTION, ORNITHOLOGY, WEATHER, BIOMETEOROLOGY, BIOMETRICS, BOREAL, CLIMATE, CONSERVATION, METEOROLOGY, MAMMAL POPULATION.

WILLOW

ANDERSON HW : BIOMASS PRODUCTIVITY AND CLONAL PROPERTIES OF HYBRID POPLAR, WILLOW AND ALDER. GROWTH, QUALITY AND REGENERATION OF HIGH VALUE. HARDWOODS: SUGAR-MAPLE OR YELLOW BIRCH.
ARGUS GW : SYSTEMATICS OF SALIX (WILLOW) OF NORTH-AMERICA. RARE AND ENDANGERED-PLANTS OF CANADA.

WILTS

REYES AA : SOIL MICROBIOLOGY, ESPECIALLY FUNGI CAUSING ROOT ROTS AND WILTS OF VEGETABLES. MY CONCERN IS TO AVOID THE USE OF CHEMICALS FOR THEIR CONTROL. RESEARCH ALSO ON STORAGE PATHOLOGY OF VEGETABLES, E.G. PREVENTION OF SOFT ROTS BY SUPPLYING STORAGE CHAMBERS WITH DIFFERENT COMBINATIONS OF GASES.

WIND

HARRINGTON JB : FOREST-METEOROLOGY: POLLUTION METEOROLOGY: AGRICULTURAL METEOROLOGY: EMPHASIS ON WIND AND DISPERSION.
HUGHES FP : USE OF BIOMASS, PARTICULARLY WOOD-FIRED DUAL-PURPOSE POWER STATIONS USING WASTE HEAT FOR DISTRICT HEATING. WIND AS A POWER SOURCE.
KEFFER JF : RESEARCH IN FLUID MECHANICS, HYDRAULICS & TURBULENCE: NATURAL & INDUSTRIAL SITUATIONS. DISPERSION, DIFFUSION, MIXING, METEOROLOGICAL SITUATIONS WITHIN PLANETARY BOUNDARY LAYER. EXPERIMENTAL (LAB & FIELD STUDIES), NUMERICAL MODELLING, WIND EROSION OF MINE-TAILINGS, COAL PILES ETC.
MATHEWS T : ACOUSTIC REMOTE-SENSING OF THE ATMOSPHERE USING MONOSTATIC & DOPPLER RADAR TO MEASURE TURBULENCE & WIND PROFILES TO STUDY CHINOOKS & OTHER MESOSCALE PHENOMENA & TO APPLY TO POLLUTION DISPERSION PROBLEMS.
TAYLOR PA : STUDIES OF WIND & TURBULENCE IN THE ATMOSPHERIC BOUNDARY LAYER, ESPECIALLY IN COMPLEX TERRAIN. WIND ENGINEERING APPLICATIONS OF THIS WORK, ESPECIALLY IN WOOD TURBINE SITE SELECTION & EVALUATION. NUMERICAL MODELLING & FIELD OBSERVATIONS.
WARDLAW RL : THE EARTH'S SURFACE WIND IS SIMULATED IN LABORATORY WIND-TUNNELS FOR STUDYING URBAN WIND CLIMATE PROBLEMS AND THE EFFECT OF WIND ON BUILDINGS, BRIDGES, SURFACE VEHICLES AND OFFSHORE STRUCTURES.
WHEATOON EE : APPLIED CLIMATOLOGY, ESPECIALLY IN AGRICULTURE: DUST STORMS & WIND EROSION. ENVIRONMENTAL-IMPACT-ASSESSMENTS DESCRIPTIVE CLIMATOLOGY, AIR-POLLUTION CLIMATOLOGY, CLIMATIC VARIATION AND CHANGE, ENERGY CLIMATOLOGY.

WINE

HOSTETTER G : MICROBIOLOGICAL RESEARCH ON WINE PRODUCTION PROCESSES. RESEARCH ON COMPUTERIZATION OF FERMENTATION CONTROL. WINE GRAPE VARIETY TRIALS. RESEARCH ON USE OF VARIOUS YEASTS FOR SPECIAL FLAVOUR DEVELOPMENT IN WINE.

WINTER

BARICA J : LIMNOLOGY OF EUTROPHIC LAKES: NUTRIENT AND OXYGEN REGIMES, FORMATION OF ALGAL BLOOMS: CYANOPHYTA ECOLOGY, ALGAL CONTROL, PREDICTIONS OF LAKE PRODUCTIVITY; CAUSES AND REMEDIES OF MASSIVE FISH MORTALITIES (SUMMER AND WINTER FISH KILLS); NUTRIENT CONTAMINANTS INTERACTIONS; LAKE RESTORATION.
KENNEY BC : PHYSICAL LIMNOLOGY OF PRAIRIE LAKES INCLUDING ASPECTS OF AIR & WATER INTERACTION, MIXING AND TURBULENCE, SEDIMENT RESUSPENSION AND LARGE SCALE LAKE CIRCULATION. EUTROPHICATION AND PHOSPHORUS DYNAMICS MODELS. WATER CIRCULATION UNDER WINTER ICE.

WIREWORMS

DOANE JF : BIOLOGY, BEHAVIOUR AND CONTROL OF WIREWORMS, GROUND BEETLES AND OTHER SOIL INSECTS. IMPACT OF PESTICIDES ON NON-TARGET ORGANISMS PARTICULARLY IN CROP ECOSYSTEMS.

WOOD

BARKER DJ : PRACTICAL APPLICATIONS OF ECOLOGICAL CLASSIFICATION. SILVICULTURE PLANNING AND IMPLEMENTATION, INCLUDING REFORESTATION, STAND-TENDING AND REHABILITATION. WOOD RELATED INVENTORIES: BIOMASS; SAWN AND PULP PRODUCTS; FUELWOOD. FOREST-MANAGEMENT PLANNING; TIMBER YIELD ANALYSIS BY COMPUTER.
HAANA E : COMPUTER-MODELLING OF HAZARDOUS-WASTE, ACID-RAIN, WOOD ENERGY AND FISHERIES FOR POLICY AND DECISION ANALYSIS. DESIGN AND IMPLEMENTATION OF RESOURCE AND ENVIRONMENTAL MANAGEMENT PLANS AND REHABILITATION MEASURES. DEVELOPMENT OF ENVIRONMENTAL ANALYSIS METHODOLOGIES AND INFORMATION-SYSTEMS. BIOPHYSICAL INVENTORIES AND DATA-ANALYSIS FOR BACKGROUND TO PLANNING INITIATIVES.

WOOD

HOCKING MB : STUDY OF EFFLUENTS FROM BLEACHING OF WOOD PULP; ENVIRONMENTAL-MONITORING; CHEMICAL PROCESS EMISSION CHARACTERISTICS & THEIR CONTROL.
KEITH CT : SPECIES IDENTIFICATION OF WOOD BY ANATOMICAL STRUCTURE FOR SCIENTIFIC, FORENSIC, OR ARCHAEOLOGICAL PURPOSES. RELATION OF WOOD ANATOMY TO PROPERTIES AND UTILIZATION CHARACTERISTICS OF WOOD. WOOD QUALITY, GROWTH RELATIONS.
MELOCHE PH : FORINTEK CANADA CORP. IS A PRIVATE, NON-PROFIT RESEARCH AND DEVELOPMENT CORPORATION ACTIVELY ENGAGED IN ALL MAJOR SCIENTIFIC AND TECHNICAL DISCIPLINE RELATED TO WOOD PRODUCTS: SAWMILLING; SEASONING; MACHINING; COMPOSITE PRODUCTS; ADHESIVES; WOOD BASED ENERGY AND CHEMICALS; HOUSING MATERIALS SCIENCE; TIMBER ENGINEERING; WOOD PRESERVATION; FIRE RETARDANTS AND THE WOOD SCIENCES. ASSISTANCE AND EXPERT ADVICE ARE AVAILABLE TO FOREST PRODUCTS INDUSTRIES, GOVERNMENT AGENCIES, TRADE ASSOCIATIONS, CONSULTANTS, EQUIPMENT MANUFACTURERS, EDUCATIONAL INSTITUTIONS AND THE GENERAL PUBLIC.
PHILLIPS SF : VEGETATION & SOIL STUDIES TO DETERMINE DEGREE & EXTENT OF ENVIRONMENTAL-CONTAMINATION & EFFECTS ON TERRESTRIAL-ECOSYSTEMS. DIRECT & INDIRECT EFFECTS OF HEAVY-METALS & SULPHUR-DIOXIDE FROM NON-FERROUS METAL SMELTERS ON BOREAL-FOREST ECOSYSTEMS; MONITOR LRTAPS, WOOD PRESERVATIVE CHEMICALS.
ROBERTSON W : DETECTION AND IDENTIFICATION OF INDICATOR AND PATHOGENIC MICROORGANISMS IN FRESH AND MARINE WATERS. FERMENTATION OF CROP AND WOOD WASTES TO PRODUCE RUMINANT FEEDS. UTILIZATION OF MYCORRHIZAL FUNGI TO INCREASE CROP PRODUCTIVITIES.
SWAN EP : RESEARCH IN THE CHEMISTRY OF EXTRACTIVES FROM WOOD, BARK, AND FOLIAGE FROM WESTERN CONIFERS. APPLICATIONS TO COMMERCIAL PROCESSES SUCH AS SPECIES IDENTIFICATION.
TAYLOR PA : STUDIES OF WIND & TURBULENCE IN THE ATMOSPHERIC BOUNDARY LAYER, ESPECIALLY IN COMPLEX TERRAIN. WIND ENGINEERING APPLICATIONS OF THIS WORK, ESPECIALLY IN WOOD TURBINE SITE SELECTION & EVALUATION. NUMERICAL MODELLING & FIELD OBSERVATIONS.

WOODLANDS

MACARTHUR JD : SILVICULTURE: MIXED HARDWOOD FORESTS; FOREST-PLANTATIONS. FOREST-MANAGEMENT: SPECIAL CHARACTERISTICS OF PRIVATE WOODLANDS. URBAN FORESTRY: SELECTION & CARE OF ORNAMENTAL TREES & SHRUBS & BIOLOGICAL & ENVIRONMENTAL PROBLEMS OF URBAN VEGETATION.

WOODLOTS

HERMELIN J : FOREST EXTENSION SERVICE IS AN EDUCATIONAL, ADVISORY BODY TO ASSIST, ADVISE, PROMOTE THE MANAGEMENT OF PRIVATE WOODLOTS. INTERACTION WITH WOODLOT OWNERS WHO IN TURN MANAGE THEIR FOREST LAND.

WOODS

KUSHNER DJ : MICROORGANISMS IN EXTREME ENVIRONMENTS. BIODEGRADATION OF CELLULOSE AND OTHER CONSTITUENTS OF WOODS. BIODEGRADATION OF PETROLEUM AND ALKANES. ACTION OF HEAVY-METALS ON MICROORGANISMS AND OF MICROORGANISMS ON HEAVY-METAL.

X-RAY

KNIGHT G : AIRBORNE DUST IN MINES. MEASUREMENT PRODUCTION CONTROL, X-RAY DIFFRACTION ASSESSMENT OF QUARTZ IN MINE AIRBORNE DUST. RESPIRABLE DUST SAMPLING IN THE WORK PLACE.

XENOBIOTICS

BEAMISH FWH : ECOLOGY AND PHYSIOLOGY OF TELEOSTS AND CYCLOSTOMES. BIOENERGETICS AND NUTRITION OF SALMONIDS. SUBLETHAL EFFECTS OF XENOBIOTICS ON FISHES.
MARKS GS : STUDIES OF THE EFFECTS OF XENOBIOTICS SUCH AS POLYCHLORINATED-BIPHENYLS, HEXACHLOROBENZENE, ETC. ON THE HEPATIC HEME BIOSYNTHETIC PATHWAY. STUDIES ARE CARRIED OUT IN CHICK EMBRYO LIVER AND ARE DIRECTED TO THE MECHANISM BY WHICH XENOBIOTICS AFFECT THE HEME BIOSYNTHETIC PATHWAY.
NAKATSU K : LABORATORY WORK RE THE DISPOSITION OF DRUGS AND OTHER XENOBIOTICS IN BIOLOGICAL SYSTEMS. THE ANALYTICAL METHODS USED ARE HPLC, GC AND GCMS.

YAM

HADZIYEV D : OILSEED TECHNOLOGY & CEREAL SCIENCE, FRUIT & VEGETABLE PROCESSING; USE OF YAM & OTHER STARCHES IN BREADMAKING; POTATO PROCESSING: CHEMISTRY & BIOCHEMISTRY ASPECTS (PRESERVATION) OF VITAMINS, FLAVORING CONSTITUENTS, TAILORING OF OIL UPTAKE, STICKINESS IN DEHYDRATED MASHED POTATOES). CEREALS EXTENSION.

YEASTS

HOSTETTER G : MICROBIOLOGICAL RESEARCH ON WINE PRODUCTION PROCESSES. RESEARCH ON COMPUTERIZATION OF FERMENTATION CONTROL. WINE GRAPE VARIETY TRIALS. RESEARCH ON USE OF VARIOUS YEASTS FOR SPECIAL FLAVOUR DEVELOPMENT IN WINE.

YELLOW-PERCH

HURLEY DA : ECOLOGICAL STUDIES IN EUTROPHIC WATERS; ROLE OF PREDATOR PREY INTERACTIONS IN SHAPING ECOSYSTEMS; BIOENERGETICS OF WALLEYE, YELLOW-PERCH; TRENDS IN FISH SPECIES ASSOCIATIONS OVER TIME.

YIELD

ADDISON PA : RESEARCH IN ENVIRONMENTAL FORESTRY RELATED PRIMARILY TO THE EFFECTS OF ATMOSPHERIC-POLLUTION ON FOREST ECOSYSTEMS. THIS INCLUDES GROWTH & YIELD STUDIES, BIOMONITORING USING BOTH CRYPTOGAMS & HIGHER PLANTS & SOIL BIOLOGICAL & CHEMICAL RESPONSE MEASUREMENTS.

ALEMDAG IS : FOREST-MENSURATION (GROWTH AND YIELD) AND FOREST-MANAGEMENT: SITE INDEXES. VOLUME AND YIELD-TABLES. GROWTH-ESTIMATES AND MANAGEMENT TECHNIQUES. METHODS OF ESTIMATING BIOMASS OF TREES AND STANDS.

BARKER DJ : PRACTICAL APPLICATIONS OF ECOLOGICAL CLASSIFICATION. SILVICULTURE PLANNING AND IMPLEMENTATION, INCLUDING REFORESTATION, STAND-TENDING AND REHABILITATION. WOOD RELATED INVENTORIES: BIOMASS; SAWN AND PULP PRODUCTS; FUELWOOD. FOREST-MANAGEMENT PLANNING; TIMBER YIELD ANALYSIS BY COMPUTER.

CASE AB : SCIENTIFIC LEADERSHIP & MANAGERIAL RESPONSIBILITY FOR RESEARCH AND DEVELOPMENT ACTIVITIES IN FOREST RESOURCES & ENVIRONMENTAL RESEARCH. FOREST ECOLOGY, TREE & FOREST-STAND IMPROVEMENT, REFORESTATION, GROWTH & YIELD STUDIES, ENVIRONMENTAL PROBLEMS RELATED TO FOREST-MANAGEMENT.

KIMMINS JP : ENVIRONMENTAL-IMPACT OF FOREST-MANAGEMENT. FOREST ECOSYSTEM FUNCTIONS, BIOMASS AND NUTRIENT-CYCLING, PRODUCTIVITY. COMPUTER-SIMULATION MODELLING OF LONG-TERM IMPACTS OF INTENSIVE FOREST-MANAGEMENT ON YIELD AND SITE FERTILITY - FORCYTE.

RICHARDSON J : SCIENTIFIC ADVICE IN CANADIAN FORESTRY SERVICE RESEARCH IN THE FIELD OF FOREST PRODUCTIVITY, INCLUDING FOREST INVENTORY, GROWTH & YIELD, REMOTE-SENSING, THINNING, FERTILIZATION, MODELLING & IN FOREST BIOMASS PRODUCTION.

ROSS G : HERBICIDE ENVIRONMENTAL-IMPACT-ASSESSMENT. SPRUCE PLANTATION ESTABLISHMENT, GROWTH & YIELD. GENETIC TREE IMPROVEMENT. TREE NURSERIES. SILVICULTURE WORK STUDY, PRODUCTIVITY TRIALS.

YIELDS

CHRISTIE WJ : FISH POPULATION-DYNAMICS. EFFECTS OF WEATHER, SEA LAMPREY, OVER-FISHING ON YIELDS FROM ECONOMICALLY IMPORTANT LAKE ONTARIO FISH-STOCKS. FISH COMMUNITY DYNAMICS: ANALYSIS OF HISTORICAL TRENDS IN LAKE ONTARIO; IDENTIFICATION OF STRESS EFFECTS. ECOSYSTEM STUDIES. STRATEGIC FISHING MANAGEMENT PLANNING.

IGNATIEFF VP : SOIL-FERTILITY & MANAGEMENT. HOW TO EVALUATE SOIL-FERTILITY AND INCREASE CROP YIELDS.

YUKON

BREGHA F : ENVIRONMENTAL ASPECTS OF POLITICAL, SOCIAL AND ECONOMIC DEVELOPMENT ACTIVITIES, PLANS AND PROGRAMS IN NORTHERN CANADA, YUKON AND NORTHWEST-TERRITORIES.

IRONSIDE GR : ECOLOGICAL LAND-CLASSIFICATION, INTEGRATED LAND RESOURCE DATA FOR LAND-USE PLANNING AND NATURAL RESOURCE MANAGEMENT. AREA OF EXPERTISE: NORTHWEST-TERRITORIES AND YUKON TERRITORY. MEMBER OF SECRETARIAT FOR CANADA COMMITTEE ON ECOLOGICAL LAND-CLASSIFICATION.

REID JR : LAND-USE INFORMATION SERIES OF MAPS COVERS NORTHWEST-TERRITORIES & YUKON EXCLUDING NORTHERN HIGH ARCTIC. INFORMATION PROVIDED IN TEXT & MAP FORM INCLUDES WIDE RANGE OF ENVIRONMENTAL & SOCIAL TOPICS.

ZINC

DELISLE CE : PRECIPITATIONS-ACIDES. METAUX-LOURDS: MERCURE, CADMIUM, ZINC, CUIVRE. ETUDES D' IMPACT-ENVIRONNEMENTAL.

FLETCHER GL : ZINC REGULATION IN MARINE FISH. DETOXIFICATION OF METALS SUCH AS CADMIUM IN FISH.

MCKEOWN BA : ENVIRONMENTAL TOXICANTS OF FISH. HEAVY-METALS (ZINC, MERCURY, ALUMINUM), OIL, OIL DISPERSANTS, PESTICIDES, ACID-PRECIPITATION.

ZIZANIA

AIKEN SG : AQUATIC PLANTS IN CANADA (WILD-RICE, ZIZANIA & WATER MILFOIL, MYRIOPHYLLUM) GRASSES, ESPECIALLY FESTUCA, IN NORTH AMERICA. COMPUTER GENERATION OF TAXONOMIC KEYS & DESCRIPTIONS IN FRENCH & ENGLISH. BEGINNING WORK ON THE FLORA OF THE CANADIAN HIGH ARCTIC ISLANDS.

ZONAGE

TRUDEL MJ : LA FACULTE DES SCIENCES DE L' AGRICULTURE ET DE L' ALIMENTATION DE L' UNIVERSITE LAVAL REALISE UNE VINGTAINE DE PROJETS DE RECHERCHE RELIES A L' ENVIRONNEMENT NOTAMMENT SUR LES SUJETS SUIVANTS: TRAITEMENT ET MANUTENTION DES LISIERES ET FUMIERS, EPURATION-DES-EAUX-USEES, CONSERVATION DES SOLS, BILAN HYDRIQUE DES SOLS, PERSISTANCE DES PESTICIDES, ZONAGE BIOCLIMATIQUE.

ZOOGEOGRAPHY

MACCRIMMON HR : RESEARCH LIES WITHIN AREA OF FISHERIES SCIENCE & MANAGEMENT; LIMNOLOGY & ENVIRONMENTAL-QUALITY, ESPECIALLY WARMWATER & COLDWATER AQUACULTURE & FISH BIOLOGY, ECOLOGY, & ZOOGEOGRAPHY.

STEWART DB : BIOLOGICAL AND LIMNOLOGICAL INVENTORY OF LAKES IN THE NORTHWEST TERRITORIES; ZOOGEOGRAPHY, ECOLOGY, LIFE-HISTORY, AND PARASITISM OF ARCTIC FRESHWATER ANADROMOUS, AND MARINE FISHES; ZOOPLANKTON, PHYTOPLANKTON, AQUATIC INSECTS, AND WATER-CHEMISTRY OF ARCTIC LAKES; PHOTOGRAPHIC RECORD.

ZOOLOGY

RIDING RT : CHAIRMAN, UNIVERSITY OF NEW-BRUNSWICK, DEPT. OF BIOLOGY: ZOOLOGY, MICROBIOLOGY, BOTANY.

ZAMMUTO RM : RELATIONSHIPS AMONG VARYING ENVIRONMENTAL CONDITIONS AND LIFE-HISTORIES OF BIRD AND MAMMAL POPULATIONS IN MONTANE OR BOREAL AREAS. TERRESTRIAL-ECOLOGY, ZOOLOGY, SURVIVAL, WILDLIFE, NON-GAME, REPRODUCTION, ORNITHOLOGY, WEATHER, BIOMETEOROLOGY, BIOMETRICS, BOREAL, CLIMATE, CONSERVATION, METEOROLOGY, MAMMAL POPULATION.

ZOOPLANCTON

COTE R : ETUDES DE LA TOXICITE DES REJETS-INDUSTRIELS SUR L' ECOPHYSIOLOGIE DES POPULATIONS PLANCTONIQUES (PHYTOPLANCTON ET ZOOPLANCTON).

PINEL-ALLOUL B : ECOLOGIE-AQUATIQUE; ZOOPLANCTON; INTERACTIONS TROPHIQUES. PHYTOZOOPLANCTON. ECOTOXICOLOGIE: EFFETS DES METAUX-LOURDS ET DES POLLUANTS ASSOCIE AUX SEDIMENTS SUR LE ZOOPLANCTON. ENVIRONNEMENT: EFFETS DE LA MISE EN EAU DES RESERVOIRS NORDIQUES SUR LE ZOOPLANCTON.

ZOOPLANKTON

CONOVER RJ : ZOOPLANKTON: PHYSIOLOGY, DISTRIBUTION LIFE-HISTORY & PRODUCTION ECOLOGY; MOSTLY IN NORTH TEMPERATE & ARCTIC ENVIRONMENTS. EMPHASIS ON IN SITU FEEDING METHODS & PATTERNS OF RESOURCE-UTILIZATION.

COOLEY JM : FRESHWATER ZOOPLANKTON RESPONSE TO POLLUTION.

GANNON J E : LIMNOLOGY WITH SPECIAL EMPHASIS ON ZOOPLANKTON ECOLOGY, WATER-RESOURCES MANAGEMENT & ENVIRONMENTAL EDUCATION, SECRETARIAT DUTIES WITH RESPONSIBILITY FOR OVERSEEING US & CANADIAN MONITORING & SURVEILLANCE PROGRAMS ON THE GREAT-LAKES.

GRAINGER EH : ARCTIC MARINE ZOOPLANKTON DISTRIBUTION AND ECOLOGY. COMPOSITION AND BIOLOGY OF THE ARCTIC SEA ICE FAUNA.

HARDING GCH : LARVAL ECOLOGY OF NORTH-AMERICAN LOBSTER. THE VERTICAL MIGRATION OF ZOOPLANKTON. THE DYNAMICS OF ORGANOCHLORINES IN MARINE ZOOPLANKTON.

MALY EJ : FACTORS AFFECTING DISTRIBUTION AND ABUNDANCE OF ZOOPLANKTON: PHYSICAL-CHEMICAL FACTORS, COMPETITION, PREDATION, BEHAVIOUR.

PETERS RH : STUDIES OF GENERAL PATTERNS IN ECOLOGY & LIMNOLOGY; ESPECIALLY ALLOMETRY & EUTROPHICATION RESEARCH. GOAL IS TO PREDICT & DESCRIBE PRODUCTIVITY, ENERGY & MATERIAL FLOW IN AQUATIC & OTHER COMMUNITIES. TREATING FILTER FEEDING BY ZOOPLANKTON & ANALYSIS OF LITERATURE DATA. CRITICAL ANALYSIS OF ECOLOGICAL CONCENTRATION.

STEWART DB : BIOLOGICAL AND LIMNOLOGICAL INVENTORY OF LAKES IN THE NORTHWEST TERRITORIES; ZOOGEOGRAPHY, ECOLOGY, LIFE-HISTORY, AND PARASITISM OF ARCTIC FRESHWATER ANADROMOUS, AND MARINE FISHES; ZOOPLANKTON, PHYTOPLANKTON, AQUATIC INSECTS, AND WATER-CHEMISTRY OF ARCTIC LAKES; PHOTOGRAPHIC RECORD.

WONG SL : ASSESS THE IMPACT OF TOXIC SUBSTANCES ON BIOTA IN BOTH SURFACE-WATERS & INDUSTRIAL WASTEWATERS USING ASSAY TECHNIQUES WITH ALGAE & ZOOPLANKTON AS TEST ORGANISMS.